6.5-inch WIDE TV WITH DVD PLAYER

KVT-910DVD/920DVD 930DVD/940DVD 960DVD

SERVICE MANUAL

KENWOOD

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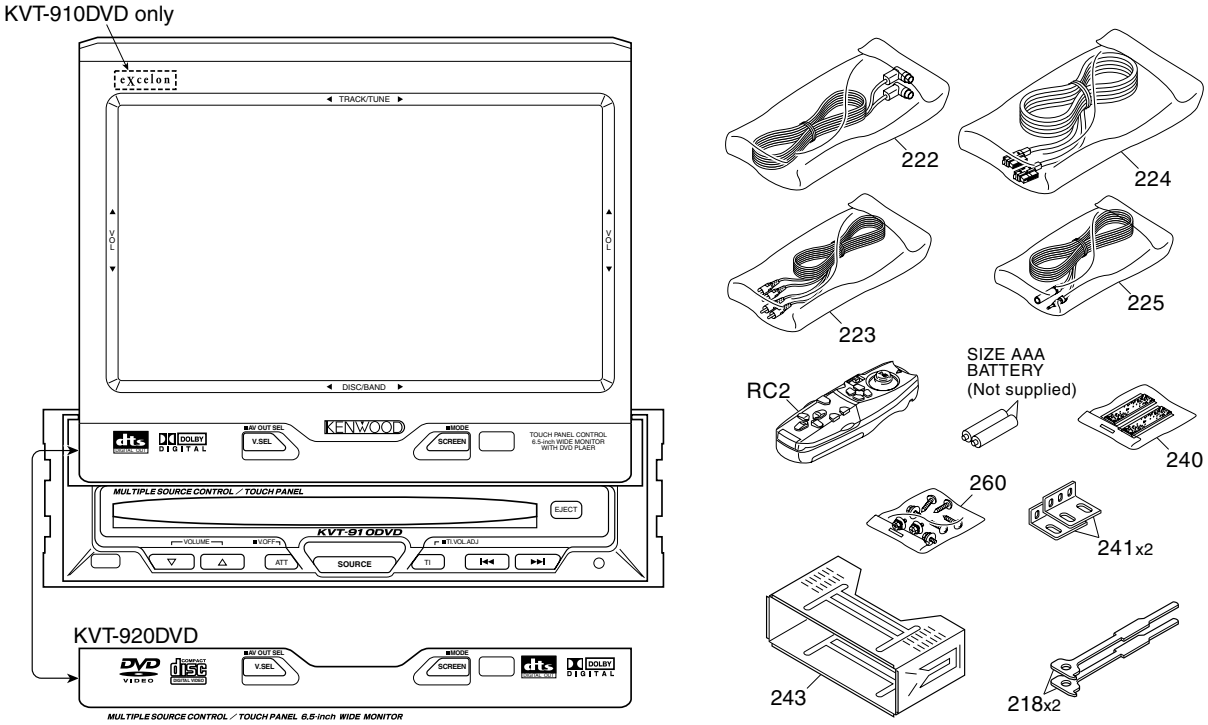

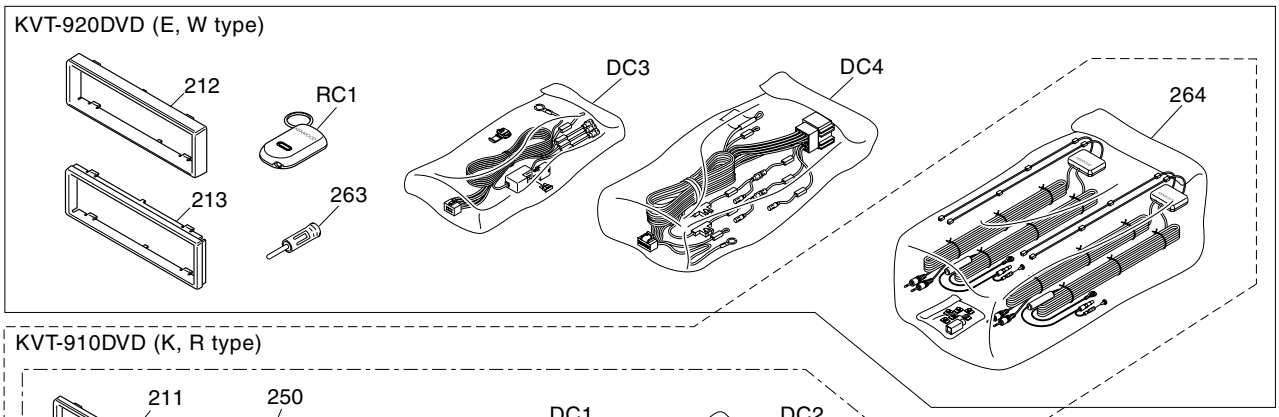

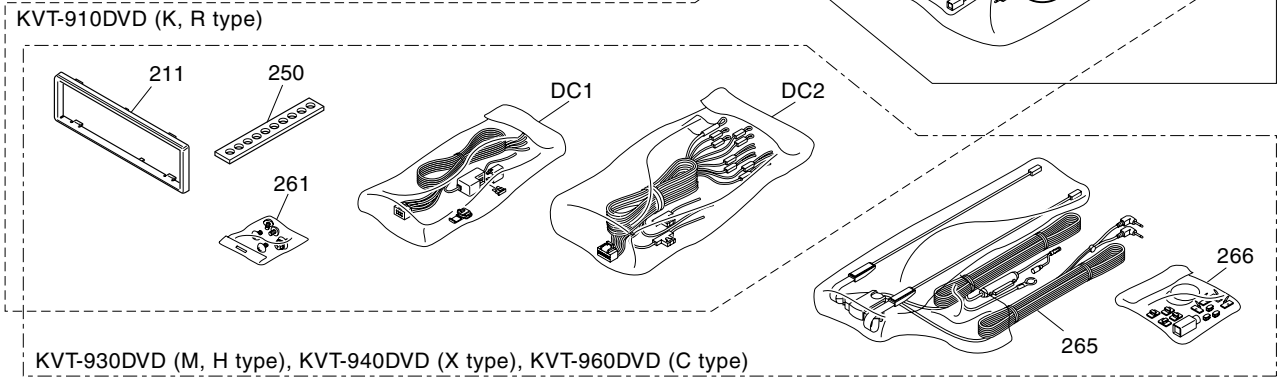

Refer to Parts List.

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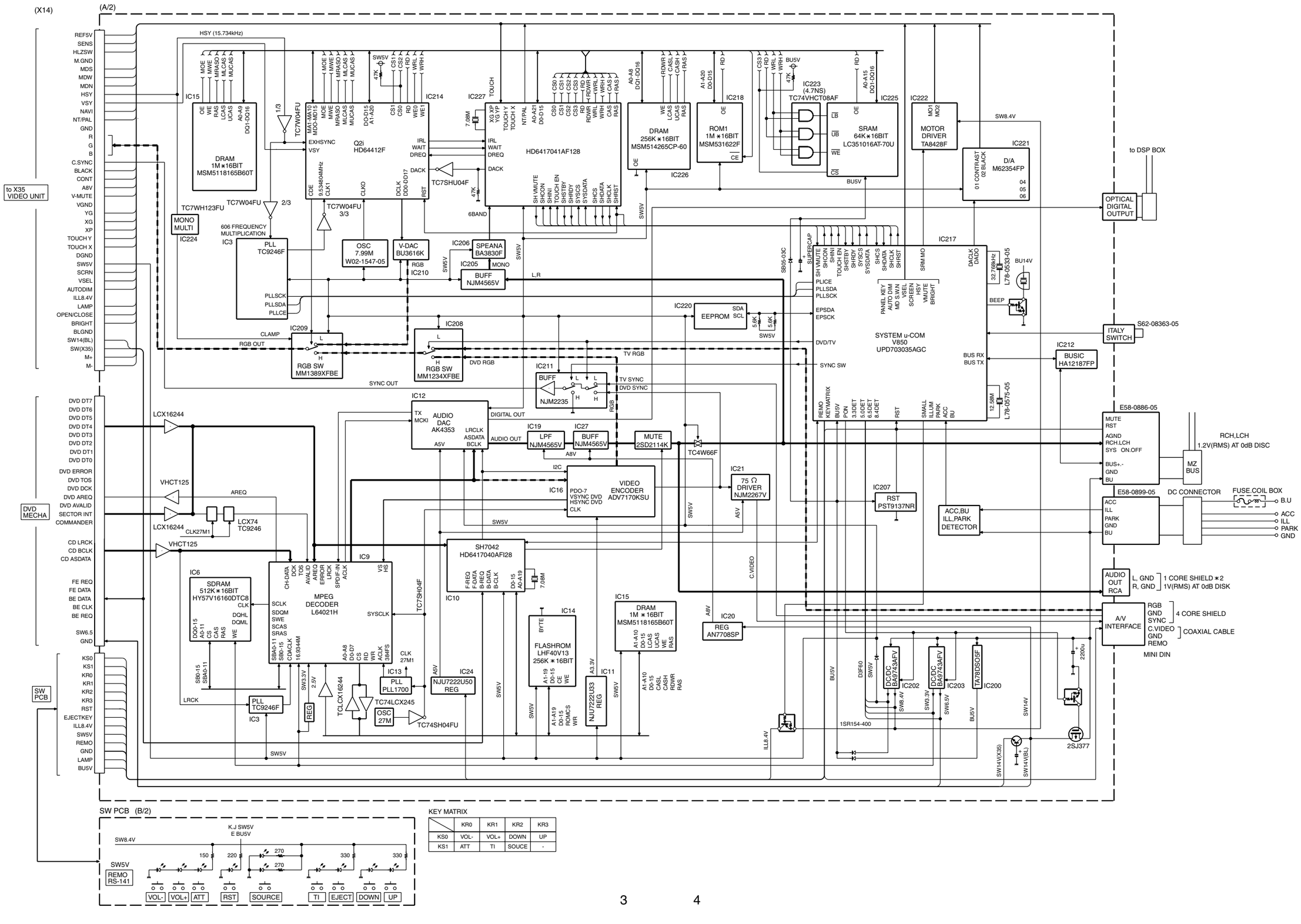
K type : KVT-910DVD (for North America)
R type : KVT-910DVD (for South America)
E type : KVT-920DVD (for Europe Without Italy)
W type : KVT-920DVD (for Italy)
M type : KVT-930DVD (for Southeastern Asia)
H type : KVT-930DVD (for Korea, Taiwan, Philippines)
X type : KVT-940DVD (for Australia)
C type : KVT-960DVD (for China)

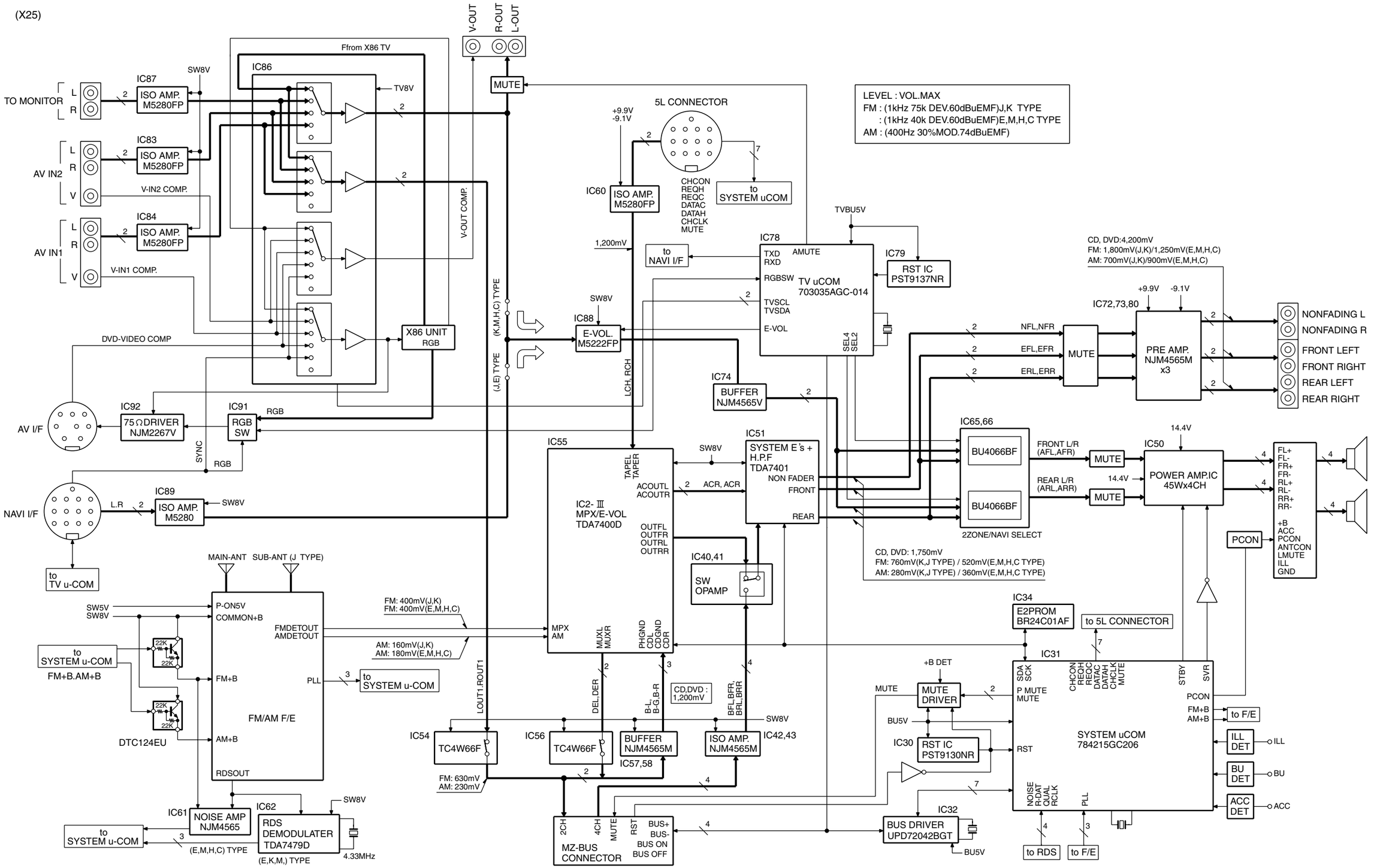
KVT-910DVD/920DVD/930DVD/
940DVD/960DVD

BLOCK DIAGRAM



KVT-910DVD/920DVD/930DVD/
940DVD/960DVD

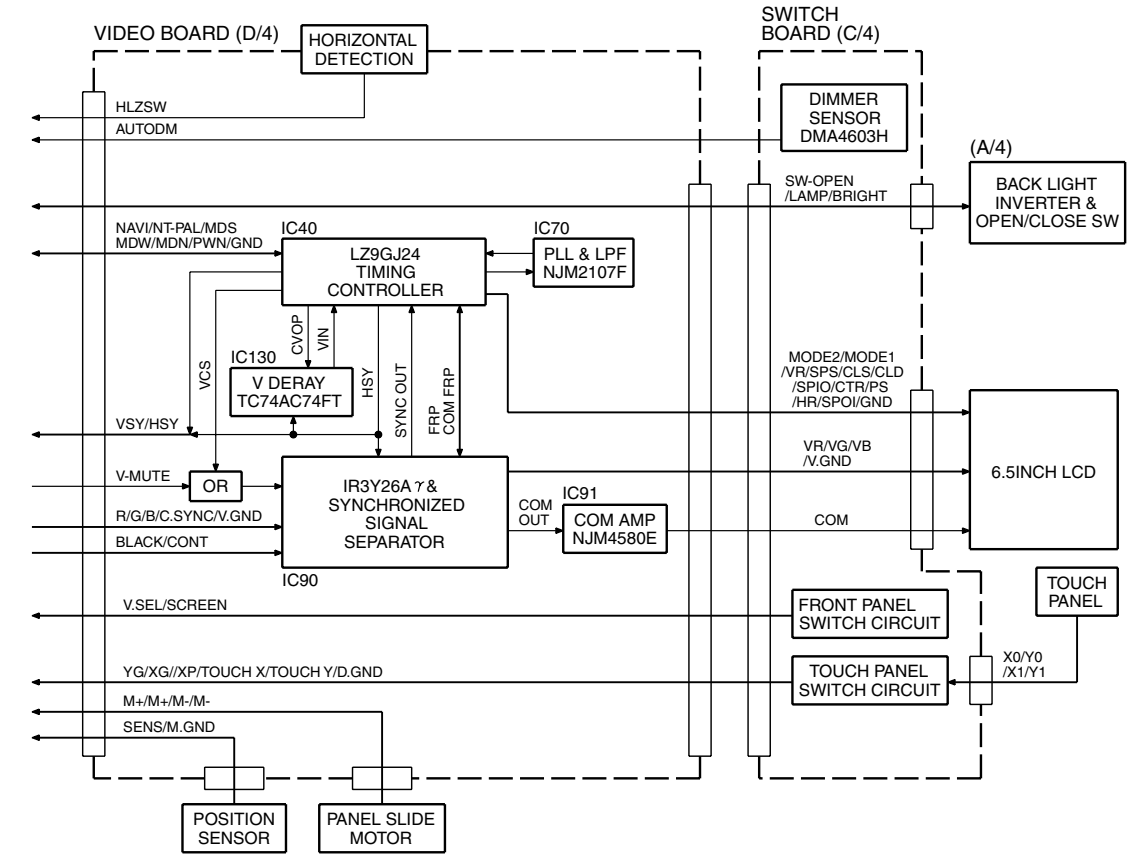
BLOCK DIAGRAM



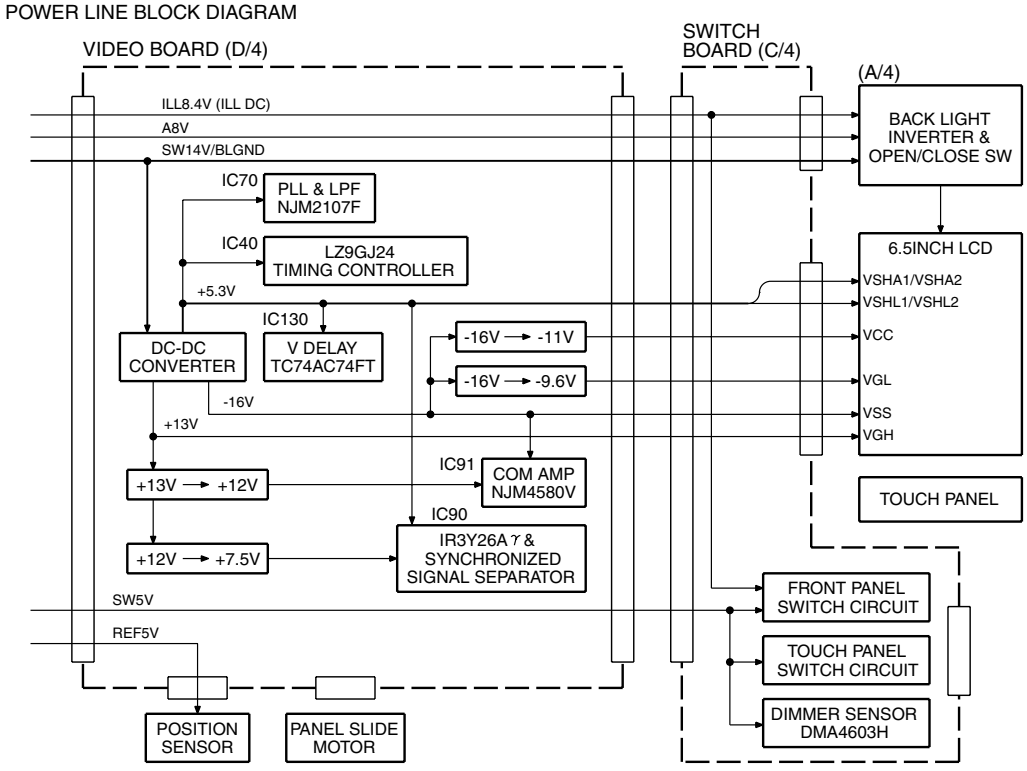
BLOCK DIAGRAM

(X35-)

SIGNAL LINE BLOCK DIAGRAM



POWER LINE BLOCK DIAGRAM



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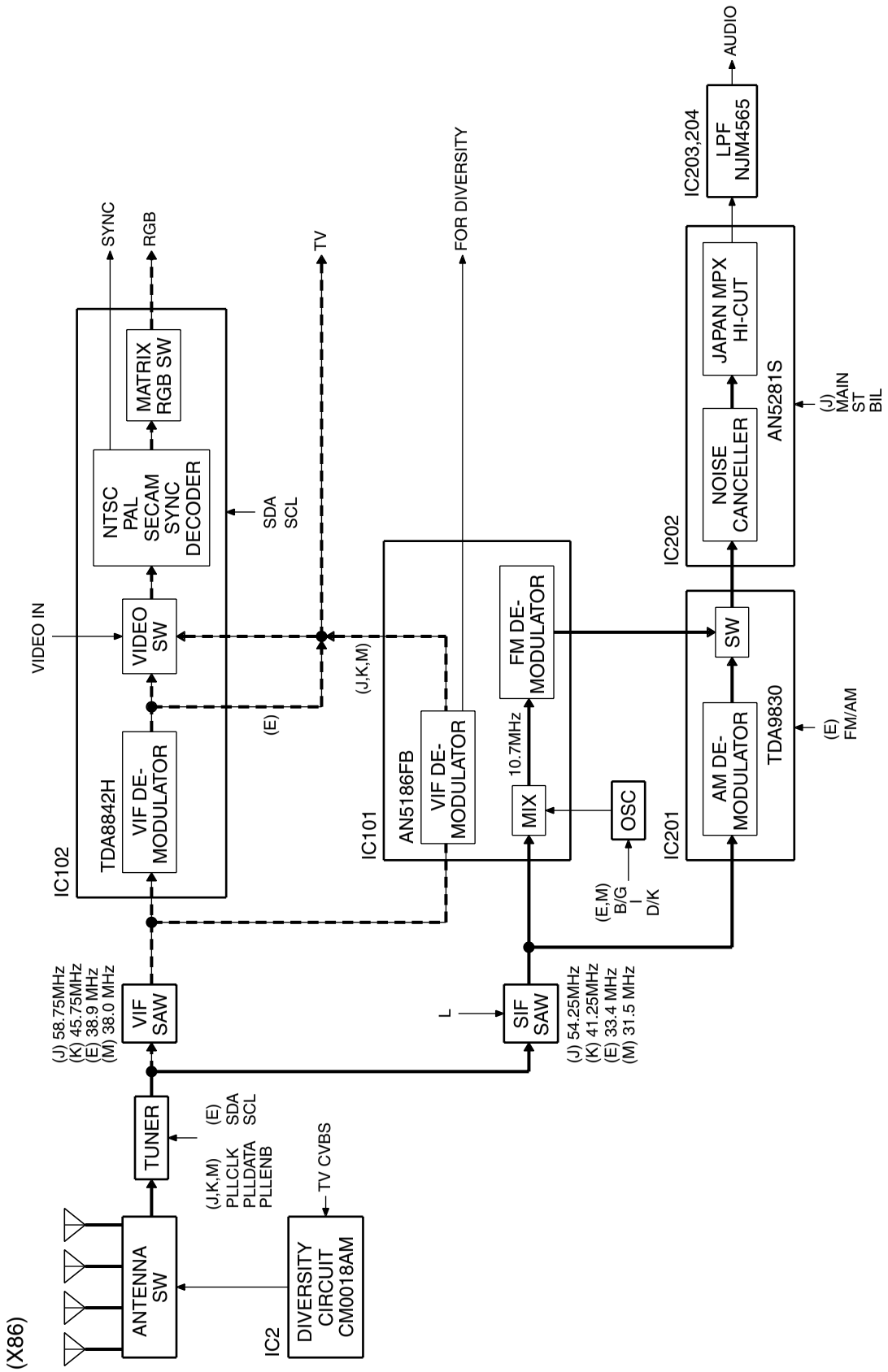
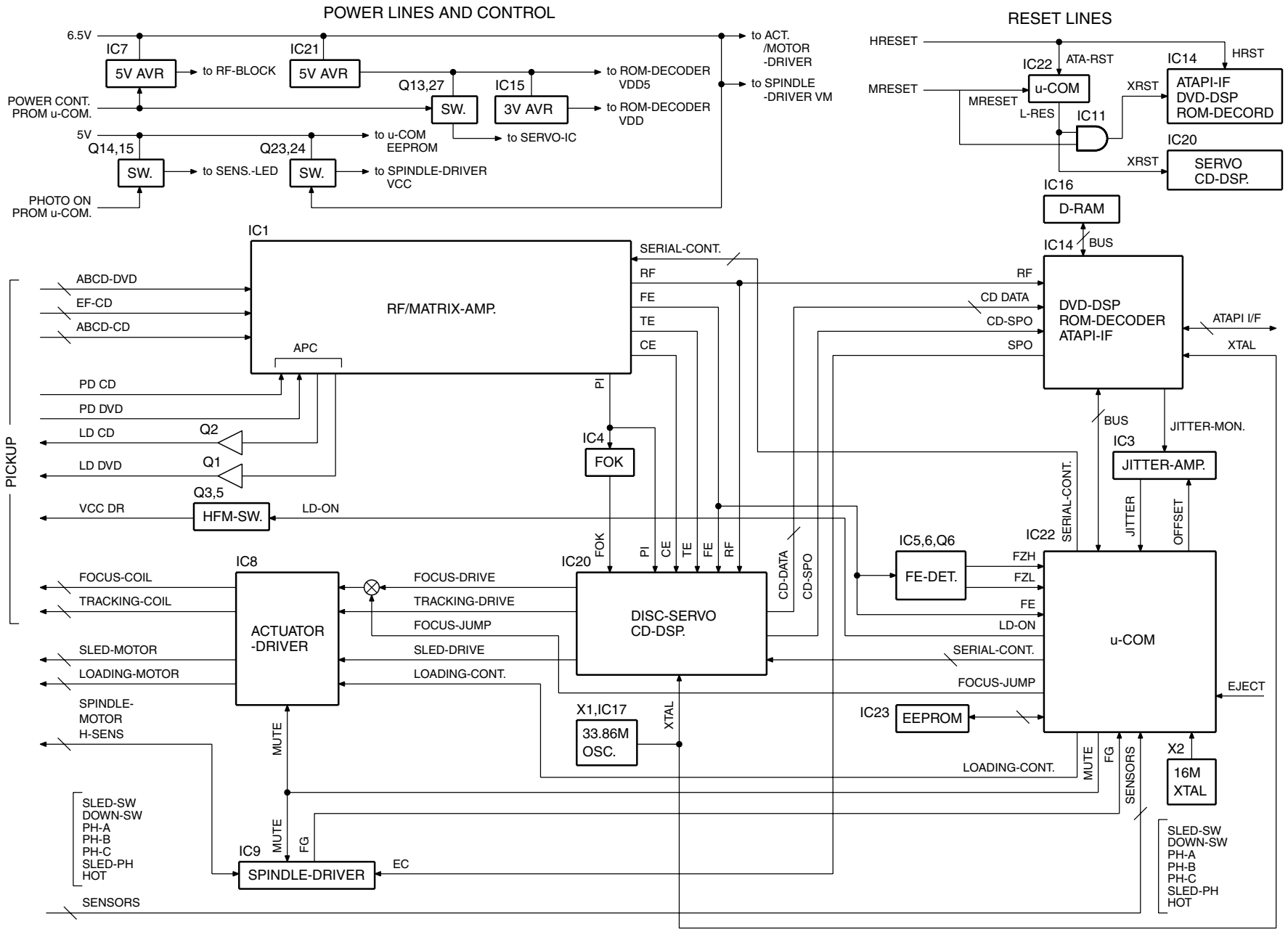


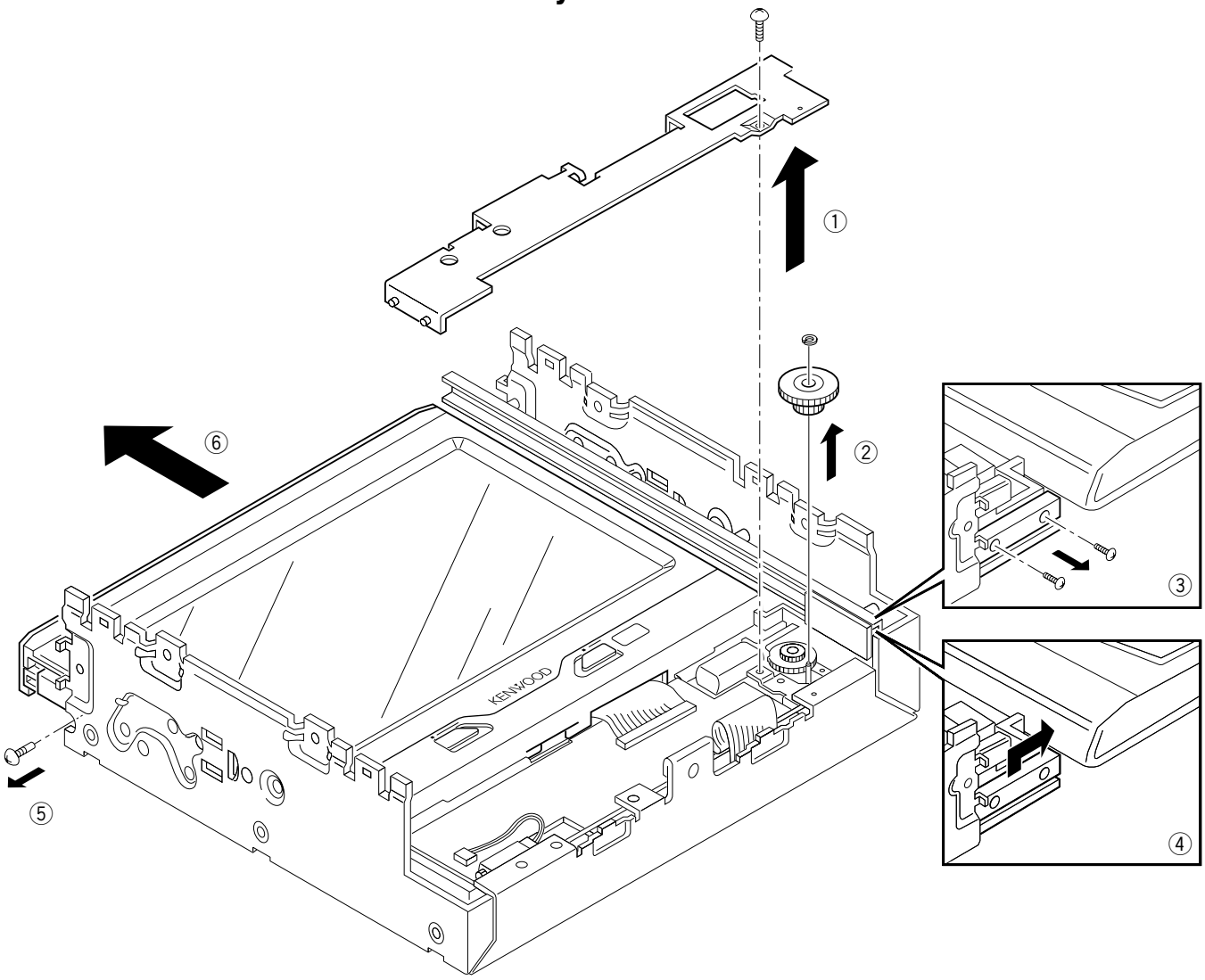
BLOCK DIAGRAM

(X37)



DISASSEMBLY FOR REPAIR

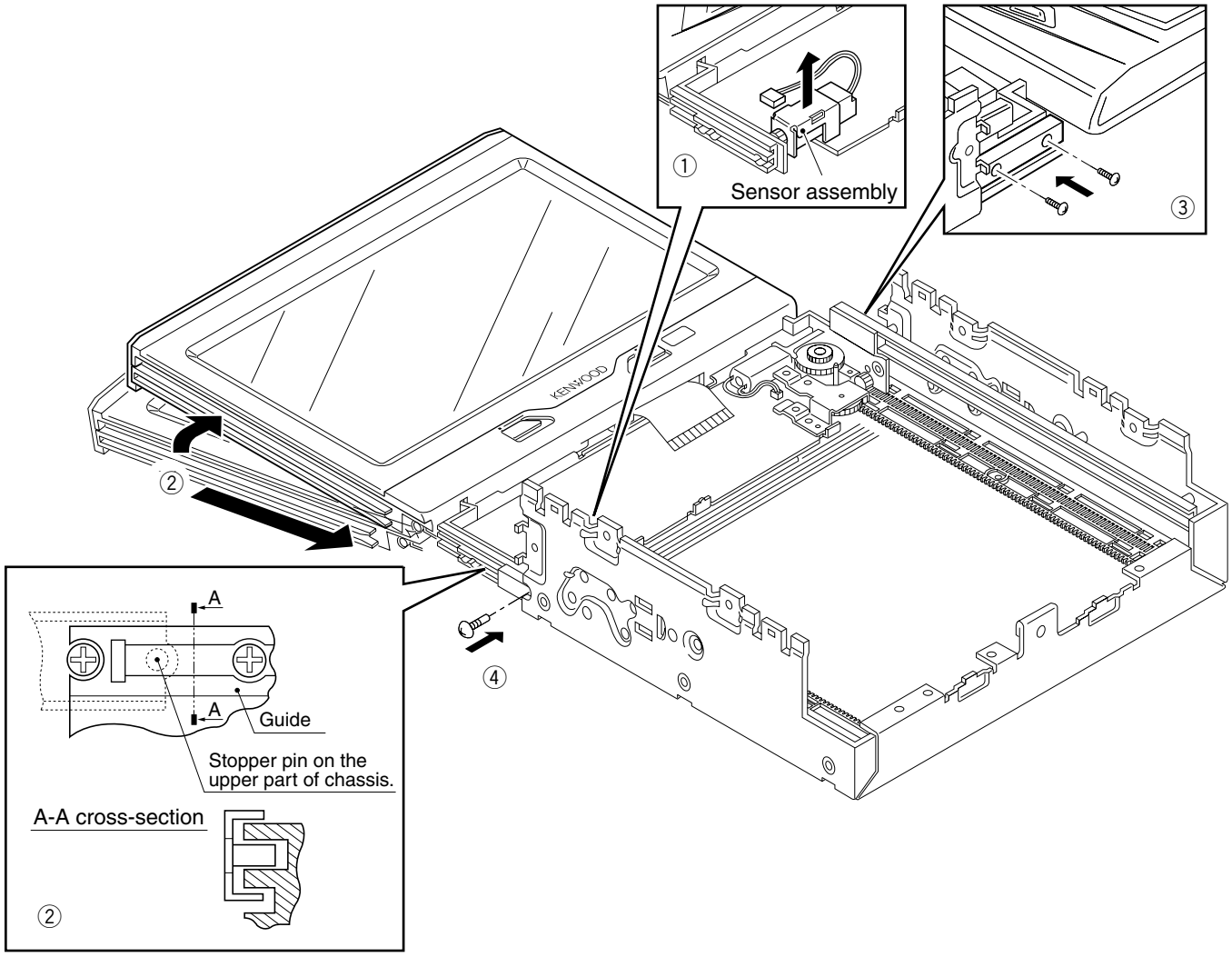
How to Remove the Slider Assembly



1. Remove the pan precision small screw and remove the blanking assembly. ①
2. Remove the gear and move the slider manually closer to you. ②
3. Remove the small screw. ③
4. Lift the stopper slightly and remove it by lightly tugging at it. ④
5. Remove step screw. ⑤
6. Move the slider manually closer to you and remove the slider assembly from chassis assembly. ⑥

DISASSEMBLY FOR REPAIR

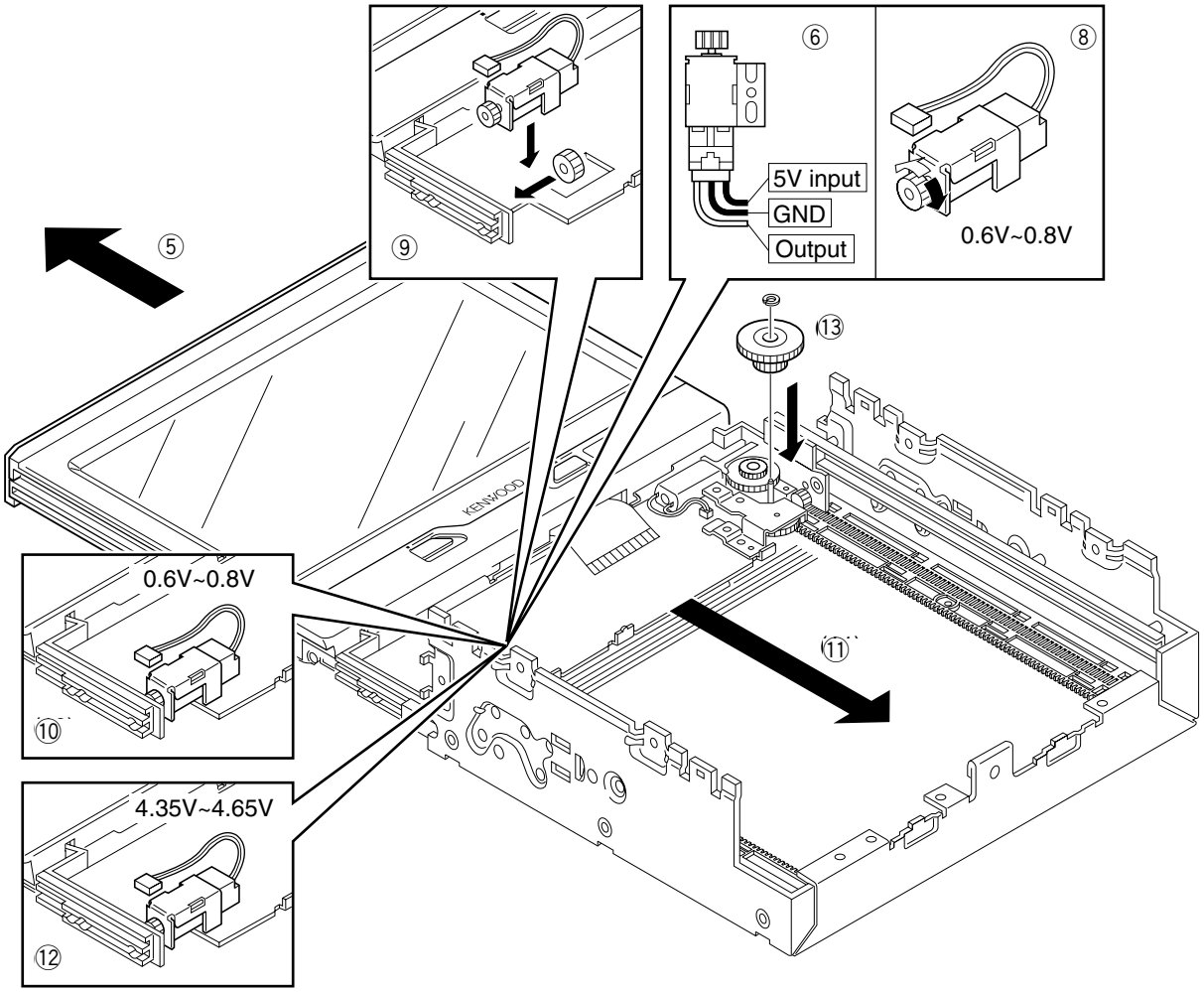
How to Install the Slider Assembly



1. Take out the bracket with the sensor assembly still in place. ①
2. Put the slider assembly in slant position so that the guild would be in position as shown in the diagram and insert it into the chassis assembly. ②
3. Install the stopper with a small screw. ③
4. Put the step screw in place.④

DISASSEMBLY FOR REPAIR

How to Install the Slider Assembly



5. Move slider assembly manually closer to you until it stops moving. This condition is to be maintained till Step 10. ⑤
6. Impress 5V voltage on the sensor assembly connector in 1. and confirm on the output voltage. ⑥
7. Confirm that the output is shown to be in the range of 0.6 - 0.8V.
8. If the output is not showing the range of 0.6 - 0.8V, turn the metal gear to right or left, as shown in the diagram. Adjust so that the output will be in 0.6 - 0.8V range. ⑧
9. After confirming that the output is in 0.6 - 0.8V range, assemble the bracket and sensor assembly to the slider assembly from the side direction while making the gear and the metal gear to come into contact. ⑨
10. After procedure in 9. is finished, confirm the output to be in 0.6 - 0.8V range using the procedure in 6. ⑩
11. After procedure in 10. is finished, manually move the slider assembly to the rear of chassis assembly, until it stops moving. ⑪
12. Confirm that the output is in 4.35V - 4.65V range, using the procedure in 6. If the output is found to be out of the range, remove the bracket and conduct the procedure in 6. again. ⑫
13. When the procedure in 12 is finished, install the gear. ⑬
14. End

COMPONENTS DESCRIPTION

●**Video Control Unit (X14-634X-XX)**

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC1	TC74VHCT125AFT	3-State buffer	User for conversion of voltage levels on the interface of mechanism and video sides.
IC3	TC9246F	PLL	When playing CD-DA, generates 16.9344MHz clock based on 44.1KHz.
IC4	TC74LCX16244AF	3-State buffer	Used for converting voltage level of the interface for mechanism side and MPEG decoder.
IC6	HY57V16160DTC8	SD RAM	Used as the work area of the MPEG decoder.
IC7	TC74LCX74FT	D-type flip-flop	Used to synchronize signals output from the mechanism to MPEG decoder
IC8	TA48M025F	3-terminal regulator	Generates 3.3V to 2.5V voltages and supplies to MPEG decoder.
IC9	L64021H-G11	MPEG decoder	Used for MPEG2 decoder.
IC10	HD6417040AFI28	Video micom	For controlling video peripherals.
IC11	NJU7222U33	3-terminal regulator	Generates 5V to 3.3V voltages and supplies to Video encoder.
IC12	AK4353VF	Audio DAC	Used as stereo CMOS DYA converter.
IC13	PLL1700E	PLL	Generates 27MHz,16.9344MHz, and 36.864MHz clocks based on 27MHz clock.
IC14	LHF40V13-0N3	Flash memory	Used for booting video micom. Also for holding control data for video encoder, audio DAC, and MPEG decoder.
IC15	MSM5118165B60T	DRAM	Used as the work area of the video micom.
IC16	ADV7170KSU	Video encoder	Encodes signals output from the MPEG decoder and generates RGB and COMPOSITE signals.
IC17	NJU7222U50	3-terminal regulator	Generates 8V to 5V voltage and supplies to audio DAC.
IC18,19	NJM4565V	Ope-Amplifier	Used as buffer for LPF middle point potential.
IC20	AN7708SP	3-terminal regulator	Generates 14V to 8V voltages and supplies to LPF peripherals.
IC21	NJM2267V	75Ω Driver	Drives composite output at 75Ω.
IC22	TC74LCX245FT	Bi-directional 3-state buffer	MPEG decoder uses 3.3V and video micom uses 5V. This buffer is used for level conversion between these voltages.
IC23	TC74LCX16244AF	3-state buffer	Used for conversion of voltage level between video micom and MPEG decoder.
IC24	NJU7222U50	3-terminal regulator	Generates 8V to 5V voltage.
IC25	S-80942ANMP	Resetting IC	Generates write protect signals for the flash memory at power on.
IC26	TC7W00FU	NOR gate	Generates mute signals.
IC27	NJM4565V	Ope-Amplifier	Used for buffering audio signals.
IC28	TC7SH04F	Not gate	Used as buffer for clock output signal from crystal oscillator.
IC29,30	TC4W66FU	Analog switch	Used for switching audio signals.
IC200	TA78DS05AF	3-terminal regulator	For back up of system micom (IC217) and SRAM(IC225).
IC201	NJM2403V	Comparator	Monitors IC202 and IC203 conditions. If any abnormality occurs in one of them, operation is stopped.
IC202,203	BA9743AFV	DC/DC converter	This IC produced any voltage from 14V power supply.
IC205	NJM4565V	Ope-amplifier	Buffer amplifier for Spectrum analyzer.
IC206	BA3830F	Spectrum analyzer	Band Rass filter for Spectrum analyzer.
IC207	PST9137NR	Reset IC	Used for resetting system micom.
IC208	MM1234XFBE	Video switch	Switches RGB signals coming from DVD (internal) and black box (external).
IC209	MM1389XFBE	Video switch	Puts graphic signals on the screen over the signals switched by IC208.
IC210	BU3616K	Video D/A converter	D/A converter for graphics.
IC211	NJM2235M	SYNC switch	Switch for DVD sync signals and TV or external sync signals.
IC212	HA12187FP	BUS IC	For MZBUS communication.
IC213	MSM5118165B60T	Video RAM	For saving graphic data.
IC214	HD64412F	Graphic accelerator	IC for graphic drawing
IC215	TC7SHU04F	NOTgate	For conducting logic reversal
IC216	TC7W04FU	NOT gate	Logic reversal buffer
IC217	703035AGC-013	System micom	For system controls.
IC218	MSM531622F76TS	ROM	Program ROM for graphics
IC219	TC9246F	PLL	Generates 9.53MHz by multiplying HSY(15.7KHz) by 606 times.

COMPONENTS DESCRIPTION

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC220	**********	E2PROM	For storing region and security codes.
IC221	M62354FP	D/A converter	For adjusting image quality.
IC222	TA8428F	Motor driver	For operating TV mechanism.
IC223	TC74VHCT08AF	AND gate	Logic setting for SRAM.
IC224	TC7WH123FU	Mono-multi	For generating CLAMP pulse waves.
IC225	LC351016AT-70U	SRAM	For operation of graphic micom and disk name presetting.
IC226	MSM514265CP-60	DRAM	For operating graphic micom.
IC227	HD6417041AFI28	Graphic micom	For controlling graphic accelerator.
IC228	W02-3152-05	Oscillator	For generating clock for operation of graphic micom.
IC229	TC7SHU04F	NOT gate	For conducting logic conversion
IC500	RS-141	Remote control light receiver element	For receiving remote control signals
D3	AD1580ART-REEL	Shunt regulator	Used for supplying 1.25V for video encoder
D4	HZM3.9N(B)	Zenner diode	For creating middle point potential of audio LPF

●ELECTRIC UNIT (X25-862X-XX)

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC10	ICL7660SIBA	For DC/DC	For controling DC/DC converter
IC30	PST9130NR	Resetting IC	Detection voltage of 3V
IC31	UPD784215GC206	System micom	Including FM/AM tuner control
IC32	UPD72042BGT	BUS-IC	MZ-BUS comunication interface
IC33	TC7W02F	Mute logic circuit	
IC34	BR24C01AF-W	EEPROM	Storage of data
IC40,41	BA3129F	Switch ope-amplifier	
IC42,43	NJM4565M-TE2	Buffer	
IC50	TDA7386	Power amplifier	
IC51	TDA7401	SYSTEM E's+	H.P.F
IC54	TC4W66F	Analog SW	AV IN1,IN2,TV audio switching
IC55	TDA7400D	IC2-Ⅲ	Electronic volume, MPX
IC56	TC4W66F	Analog SW	MZ-BUS voice switching
IC57,58	NJM4565M-TE2	Buffer	MZ-BUS audio input
IC59	NJM4565M-TE2	Buffer	For 1/2Vcc
IC60	M5280FP	Isolation amplifier	For isolation with 5L
IC61	NJM4565M-TE2	Noise detection ope-amplifier	For RDS
IC62	TDA7479D	RDS decoder	
IC65	BU4066BF	Analog SW	NAVI interruption voice switching
IC66	BU4066BF	Analog SW	2-zone voice switching
IC70	M5237ML	3-terminal regulator	For SW 8V
IC71	TA78DS05F	3-terminal regulator	For TV BU 5V
IC72,73,80	NJM4565M-TE2	Ope-amplifier	For PRE OUT
IC74	NJM4565V	Ope-amplifier	For 2-zone audio, NAVI interruption voice
IC75	M5237ML	3-terminal regulator	For TV 8V
IC76	M5237ML	3-terminal regulator	For TV 5V
IC78	703035AGC-014	TV tuner micom	Used mainly for controlling X86 board
IC79	PST9137NR	Resetting IC	Detection voltage 3.7V
IC83	M5280FP	Isolation amplifier	For isolation with RCA input (AV IN2)
IC84	M5280FP	Isolation amplifier	For isolation with RCA input (AV IN1)
IC85	HA12187FP	BUS-IC	Interface for MZ-BUS communication
IC86	CXA2089Q	Audio-Video switch	Switches for AV IN1,IN2,TV,DVD image and audio.
IC87	M5280FP	Isolation amplifier	For isolation with RCA input (DVD)
IC88	M5222FP	Electronic volume	Volume control for 2-zone audio and NAVI interrupt audio.
IC89	M5280FP	Isolation amplifier	For isolation with NAVI

COMPONENTS DESCRIPTION

●**ELECTRIC UNIT (X25-862X-XX)**

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC90	NJM2267V	Video amplifier	6dB amplifier for SYNC and B signals.
IC91	MM1234XFBE	RGB switch	For switching R.G.B signals.
IC92	NJM2267V	Video amplifier	6dB amplifier for R and G signals.
Q100,103	DTC114EUA, 2SB1188(Q,R)	SW for P-CON	
Q101,102	DTA124EUA, 2SA1576A	Protection circuit for P-CON	
Q104,105	2SB1443, 2SC4081	SW for DC/DC	
Q106,107,108	2SA1576A, 2SC4081, 2SA1576A	Stagger stabilization circuit	
Q109,110,111	2SC4081, 2SA1576A, 2SC4081	Stagger stabilization circuit	
Q112,113	DTC114EUA, 2SB1188(Q,R)	SW for P-ANT	
Q300	DTC144EUA	Resetting SW	
Q301	FMG2	ON REQ/OFF REQ SW	
Q302	FMA2	SYS ON/SYS OFF SW	
Q303	DTA124EUA	MUTE driver	
Q304,305	DTA144EUA, DTC144EUA	ILL SW	For MZ-BUS slave unit
Q306	DTA123JK	EXT CON SW	
Q500	DTC144EUA	SVR SW	At the time of power down, turned ON with base"H."
Q501	DTC144EUA	TEST MODE SW	During TESTMODE, releases temperature protection of power amplifier.
Q502	DTC144EUA	MUTE SW	For TDA7401
Q503,505	DTA144EUA, DTC144EUA	AUDIO SW	For MZ-BUS AUDIO switching
Q504	2SD2114K	GND SW	For MZ-BUS AUDIO switching
Q506,507	DTC144EUA, DTA124EUA	MUTE SW	For PRE OUT
Q511	2SD2114K	GND SW	For MZ-BUS AUDIO switching
Q512,513	DTA144EUA, DTC144EUA	AUDIO SW	For MZ-BUS AUDIO switching
Q514,518	DTC124EUA, 2SB1277(Q,R)	FM+B SW	
Q515,519	DTC124EUA, 2SB1277(Q,R)	AM+B SW	
Q516,517,521	DTA124EUA, DTC114TUA, 2SC4081	Detection noise	For NOISE detection AFC
Q520	DTC124EUA	K2I SW	K2I NARROW/WIDE forced switch
Q522,523, 524,525	2SD2114K	AUDIO MUTE	For speaker output
Q526,527	DTC144EUA, DTC124EUA	AUDIO SW	NAVI interruption audio selection when Q527 base is "L."
Q528,529	DTC144EUA, DTC124EUA	AUDIO SW	NAVI interruption audio selection when Q529 base is "L."
Q601	DTC144EUA	DSP SW	With DSP when base“H.”
Q700	2SA1906	8V AVR	TV 8V
Q701,703	2SB1443, 2SC4081	5V AVR	BU 5V
Q702,704	DTB123YK, DTC144EUA	P ON(IC31)5V SW	SW 5V
Q705	2SB1565(E,F)	5V AVR	TV 5V
Q706	DTC144EUA	ILL DET	
Q707	2SB1565(E,F)	8V AVR	SW 8V
Q708,718	2SB1443, DTC114YUA	P ON (IC31) 14V SW	SW 14V
Q709	2SA1906	8.5V AVR	A 8.5V
Q710	2SA1576A	Buffer	For V MUTE (image)
Q711	2SC4081	BU DET	
Q712	2SC4081	ACC DET	
Q713,714,715, 716,721,722	2SD2114K,	AUDIO MUTE	PRE OUT
Q719,720	DTA124EUA, DTC144EUA	MUTE SW	For AVOUT
Q723	DTC144EUA	Resetting SW	
Q724	FMG2	ON REQ/OFF REQ SW	
Q728	2SA1576A	Driver	For RCA output (image)
Q729	2SA1576A	Buffer	For VOUT2 (Image)

COMPONENTS DESCRIPTION

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
Q730	DTC144EUA	MUTE SW	For image signal
Q731,732	2SD2114K	AUDIO MUTE	For RCA output
Q733,734	2SB1443, DTC114YUA	P ON (IC78)14V SW	
Q735,736, 739,740	DTC144EUA, DTA124EUA	MUTE SW	For speaker output
Q737,738	DTC144EUA, DTA124EUA	MUTE SW	BUS MUTE
Q741,742	DTC144EUA, DTA124EUA	P ON (IC31) SW	For fan power supply
Q743,744	2SB1184, 2SC4081	5V AVR	5V fan power supply

●Video Unit (X35-418X-XX)

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC1	TL5001ID	IC for DC-DC control	Inverter control
IC2	NJM2403V	Comparator	Inverter protection circuit
IC20	PNA4603H	Auto dimmer IC	Auto dimmer (IC for detecting brightness)
IC40	LZ9GJ24	Timing controller IC	Control for liquid crystal
IC70	NJM2107F	Op-amplifier	PLL Control
IC90	IR3Y26A1	Gamma compensation IC	Gamma compensation
IC91	NJM4580V	Op-amplifier	V-COM AC driver and buffer
IC130	TC74AC74FT	D-flip-flop IC	Delay for vertical start point for images
IC140	NJM2368V	IC for DC-DC control	Control for DC-DC
Q1	2SC2412K	Drive	Inverter drive
Q2	2SA1037K	Drive	Inverter drive
Q3	2SC2873	Drive	Inverter drive
Q4	2SC2873	Drive	Inverter drive
Q6	2SJ518	Drive	Inverter drive
Q20	DTC124EUA	Switch	Touch panel control switch
Q21	DTA124EUA	Switch	Touch panel control switch
Q22	DTC124EUA	Switch	Touch panel control switch
Q23	DTC124EUA	Switch	Touch panel control switch
Q24	DTA124EUA	Switch	Touch panel control switch
Q25	DTC124EUA	Reversing	Reversing BRIGHT signal
Q40	DTC124EUA	Switch	Switch for TV/NAVI
Q70	2SC2411K	VCO circuit	Oscillation for PLL
Q90	2SC4081	+7.5V AVR	7.5V power supply for gamma compensation IC
Q91	2SC4081	Ripple filter	Ripple filter
Q140	2SC5566	Switch	Switching for DC-DC

COMPONENTS DESCRIPTION

●TUNER UNIT (X86-323X-XX)

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC1	BA7652AF	VIDEO SW	For switching diversity VIDEO signal
IC2	CM0018AM	TV diversity IC	Switching control of TV antenna
IC3	BA6161F	Switching regulator IC	For TV tuner 30V
IC101	AN5186FB	VIF/SIF IC for TV	VIF detection, SIF detection
IC102	TDA8842H	VIF/chroma IC for TV	VIF detection, Chroma processing
IC201	TDA9830T	AM detection IC	SIF (AM) detection
IC202	AN5281SC	NC/MPX	MPX function only for J-type only
IC203	NJM4565M-TE2	OP-amplifier	15kHz LPF
IC204	NJM4565M-TE2	OP-amplifier	15kHz LPF
Q1	DTA114EUA	Switch	Diversity IC VIDEO MODE switching
Q2	DTC124EUA	Switch	SAW filter input IF switching
Q3	DTC143TUA	Switch	SAW filter input IF switching
Q4	2SC2714(Y)	Amplifier	SIF AMP
Q5	2SC2714(Y)	Amplifier	VIF AMP
Q101	2SC4081	Buffer	Image signal buffer for diversity
Q102	2SC4081	Buffer	Image signal buffer for diversity
Q103	2SC4081	Buffer	Image signal buffer
Q104	DTC 124EUA	Buffer	SW for crystal
Q105	DTC 124EUA	Switch	SW for crystal
Q106	DTC 124EUA	Switch	SW for crystal
Q107	DTC 124EUA	Switch	VIF detection frequency switching for diversity
Q108	2SC4081	Buffer	H-sync pulse creation
Q109	2SC4081	Buffer	H-sync pulse creation
Q110	2SC4081	Buffer	Sync signal buffer
Q111	2SC4081	Buffer	RGB signal buffer
Q112	2SC4081	Buffer	RGB signal buffer
Q113	2SC4081	Buffer	RGB signal buffer
Q114	2SC4081	Buffer	Image signal buffer
Q115	2SC4081	Buffer	Image signal buffer
Q116	2SA1576A	Buffer	Image signal buffer
Q117	DTC144EUA	Mute	RGB signal mute
Q118	DTC144EUA	Mute	RGB signal mute
Q119	DTC144EUA	Mute	RGB signal mute
Q201	DTC144EUA	Switch	f-characteristic control when detecting multi-path.
Q202	DTC144EUA	Switch	f-characteristic control when detecting multi-path.

COMPONENTS DESCRIPTION

●SUB-CIRCUIT UNIT (X13-9770-00)

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC1	NJM2406F	Comparator	Thread pulse wave rectifying

●DVD UNIT (X37-1010-02)

Ref.No.	Component name	Application / Functions	Operation / Conditions / Compatibility
IC1	SP3721A	RF signal processing IC	RF signal processing (AGC,EQ, etc.),Servo signal processing (FE,TE,CE,DFCT,MIRR,APC, etc.)
IC2	NJM2125F	Op-Amplifier	VC(2.5V) buffer (voltage follower)
IC3	NJU7093A	Op-Amplifier	Jitter signal amplifier
IC4	NJM2406F	Comparator	FOK signal generation (PI converter)
IC5	NJM2100M	Op-Amplifier	Layer jump monitor (FE signal reversal, LPF)
IC6	LA6393M	Comparator	Layer jump monitor (window comparator)
IC7	L88MS05T	5V AVR	For RF amplifier, pickup, and servo
IC8	LA6553	4chBTL driver	Focus tracking actuator, thread loading motor driver
IC9	BD6661FV	3-phase motor driver	For PWM driver spindle motor
IC10	NJU7096AR	Op-Amplifier	Spindle servo (SPO) signal amplifier (LPF, gain rectifying)
IC11	SN74AHC1G08D	AND gate	RESET control
IC12	NJM2125F	Op-Amplifier	VC2(1.65V) buffer (voltage follower)
IC13	SN74AHC1G08D	AND gate	Clock ON/OFF control
IC14	CXD1867R	Signal processing decoder IC	Functions for CD-ROM decoder, ATAPI I/F, AV decoder I/F, DVD PLL, DVD error correction,Buffered Audio Play, and Subcode data
IC15	L88M33T	3.3V AVR	Power supply for IC14
IC16	IS41C16256	DRAM	EDO DRAM 4Mbit
IC17	SN74AHC2GU04H	Inverter	Clock oscillation for IC14,20, and buffer (33.86MHz)
IC19	SN74AHC1GU04D	Inverter	"HRES-" reversal
IC20	CXD3008Q	Digital signal processing IC	Error correction for CD PLL and CD, digital serve (focus, tracking, thread) function, automatic adjustment
IC21	L88MS05T	5V AVR	Power supply for IC14,20 and digital systems
IC22	HD6433062G24XI	Mechanism micom	
IC23	BR24C04FV-W	EEPROM	Backup memory (coefficient and others)
Q1	MCH6101	DVD APC	DVD laser amount control
Q2	MCH6101	CD APC	CD laser amount control
Q3	2SB1295	DVD laser high-frequency redundancy circuit SW	When Q5 base becomes Hi, Q3 comes ON.
Q5	DTC124EUA		
Q4	3LN01M	DFT level conversion	
Q6	3LP01M	Layer jump monitor	
Q7	DTC124EUA	Layer gain SW	When the base becomes Hi, comes ON and sets the gain to Lo.
Q8	2SB1295	Thread movement detection circuit SW	When Q9 base becomes Hi, Q8 comes ON.
Q9	DTC124EUA		
Q10	2SC4081	Layer jump control SW	For Lo kick
Q11	2SA1576A	Layer jump control SW	For Hi kick
Q12	2SC4081		When Q12 base becomes Hi, Q11 comes ON.
Q13	DTC124EUA	IC20 power supply SW	When Q13 base becomes Hi, Q27 comes ON.
Q27	CPH3105		
Q14	2SB1295	Disc detection circuit SW	When Q15 base becomes Hi, Q14 comes ON.
Q15	DTC124EUA		
Q16	3LP01M	FDCHG inverter	FDCHG logic reversal
Q17	DTC124EUA	HRES- inverter	
Q18	DTC124EUA	IC7 power supply SW	When base becoes Hi, comes ON. AVR functions.
Q23	DTC124EUA	IC9 VCC SW	When Q23 base becomes Hi, Q24 comes ON. IC9 functions.
Q24	2SB1295		
Q25	3LN01M	MIRR level conversion	
Q26	UMC2N	IFSEL SW	When base becoes Hi, comes ON.

MICROCOMPUTER'S TERMINAL DESCRIPTION

●VIDEO U-COM (IC10:X14-634X-XX) HD6417040ACFI28

Pin	Name	I/O	Function	Description of Processing
1	TEST1	I	Test mode setting1 for image quality adjustment (Refer to separate sheet.)	H: Normal L: Test mode
2	TEST2	I	Test mode setting2 for image quality adjustment (Refer to separate sheet.)	H: Macro Vision OFF/L: Macro Vision ON (Effective when pin 1 [TEST1] is in test mode.)
3	Vss	-	GND	
4	A0	O	Address bus	
5	A1	O	Address bus	
6	A2	O	Address bus	
7	A3	O	Address bus	
8	A4	O	Address bus	
9	A5	O	Address bus	
10	A6	O	Address bus	
11	A7	O	Address bus	
12	A8	O	Address bus	
13	A9	O	Address bus	
14	A10	O	Address bus	
15	A11	O	Address bus	
16	A12	O	Address bus	
17	A13	O	Address bus	
18	A14	O	Address bus	
19	A15	O	Address bus	
20	A16	O	Address bus	
21	Vcc	-	Power source	
22	A17	O	Address bus	
23	Vss	-	GND	
24	RAS	O	D-RAM RAS signal output	
25	CASL	O	D-RAM CAS Low signal output	
26	CASH	O	D-RAM CAS High signal output	
27	Vss	-	GND	
28	RDWR	O	D-RAM READ/WRITE signal output	
29	A18	O	Address bus (Need pulldown)	
30	A19	O	Address bus (Need pulldown)	
31	WAIT	I	WAIT signal input (L64021) (Need pullup)	
32	CLK_SEL	O	PLL-IC clock mode selection signal output for A_DAC	H:16.9344MHz/L:36.864MHz
33	Vss	-	GND	
34	RD	O	READ signal output	
35	WDTOVF	O	Not used (Internally used)	
36	WRH	O	Not used WRITE signal (High position)	
37	Vcc	-	Power source	
38	WRL	O	WRITE signal (Low position)	
39	Vss	-	GND	
40	CS_L64021	O	Chip select (L64021)	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
41	CS_ROM	O	Chip selection (ROM)	
42	COPY	I	Copy write (CD-DA)	
43	64021_INT	I	L64021 Interruption	
44	SCLK	I/O	I2C I/F DATA (A_DAC,V_ENC)	When "H" input (Hi-Z)/ When "L" output
45	SDA	I/O	I2C I/F DATA (A_DAC,V_ENC)	When "H" input (Hi-Z)/ When "L" output
46	FE_CLK	I	F/E mechanism local I/F Clock input	
47	BE_DATA	O	F/E mechanism local I/F Data output	
48	FE_DATA	I	F/E mechanism local I/F Data input	
49	SYS_CLK	I	Serial sync clock input (From TV/DVD syscon)	
50	DVD_DATA	O	Slave data output (To TV/DVD syscon)	
51	SYS_DATA	I	Master data input (From TV/DVD syscon)	
52	D15	I/O	Data bus	
53	D14	I/O	Data bus	
54	D13	I/O	Data bus	
55	Vss	-	GND	
56	D12	I/O	Data bus	
57	D11	I/O	Data bus	
58	D10	I/O	Data bus	
59	D9	I/O	Data bus	
60	D8	I/O	Data bus	
61	Vss	-	GND	
62	D7	I/O	Data bus	
63	D6	I/O	Data bus	
64	D5	I/O	Data bus	
65	Vcc	-	Power source	
66	D4	I/O	Data bus	
67	D3	I/O	Data bus	
68	D2	I/O	Data bus	
69	D1	I/O	Data bus	
70	D0	I/O	Data bus	
71	Vss	-	GND	
72	XTAL	-	Oscillator (7.08MHz)	
73	MD3	I	Setting clock mode	
74	EXTAL	-	Oscillator (7.08MHz)	
75	MD2	I	Clock mode setting	
76	NC	I	Not used (Low fixed)	
77	Vcc	-	Power source	
78	MD1	I	Operation mode setting	
79	MD0	I	Operation mode setting	
80	PLLVcc	-	Power source for PLL	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
81	PLLCAP	-	Capacity for PLL	
82	PLLVss	-	GND for PLL	
83	NC	I	Not used	
84	PWRON_RST	I	Power On Reset Input	
85	L64021_DMAC	I	L64021 DMA Request detection	
86	FE_REQ	I	F/E mechanism local I/F Front/End Data Request	
87	L64021_PCM	I	L64021 AudioPCM detection	
88	BUS_EN	O	ATAPI/AV I/F selection output	H : ATAPI I/F / L : AV I/F
89	IC_RESET	O	MPEG-DEC./V-ENC reset output	H : Normal / L : Reset
90	Vss	-	GND	
91	ROM_WR	I	Flash-ROM Write mode	H : Write mode / L : Normal
92	IF_SEL	I	ATAPI/AV BUS-SW Switching input	H : AV I/F fixed input
93	NC	I	Not used	
94	DEEMPH	I	CD-DA de-emphasis signal input	H : de-emphasis ON / L : Normal (de-emphasis OFF)
95	DVD_TYPE	I	DVD destination input	L : TV/DVD fixed input
96	TEST_MODE	I	Test mode identification input for design evaluation	H : Normal operation / L : Test mode
97	AVss	-	analog GND	
98	AMUTE_IN	I	Ext. Audio Mute input (Effective only for CD-DA)	H : Mute / L : Normal operation (Mute OFF)
99	SYS_REQ	I	Sync initialization request (From TV/DVD syscon)	
100	AVcc	-	Analog power source	
101	Vss	-	GND	
102	NC	I	Not used	
103	Vcc	-	Power source	
104	LOCK	I	Lock detection signal	"H" fixed input
105	NC	I	Not used	
106	A_MUTE	O	Audiomute output	H : Normal (Mute OFF) / L : Mute
107	BE_REQ	O	F/E mechanism local I/F B/E Data Request	
108	ADAC_RESET	O	A-DAC Reset output	H : Normal / L : Reset
109	Vss	-	GND	
110	DVD_REQ	O	Communication control response (To TV/DVD syscon)	
111	NC	I	Not used	
112	NC	I	Not used	

MICROCOMPUTER'S TERMINAL DESCRIPTION

●SYSTEM U-COM (IC217:X14-634X-XX) uPD703035AGC-013-8EU

Pin	Name	I/O	Function	Description of Processing
1	SYSDATA	O	Drawing micom data output terminal	
2	SHCLK	O	Drawing micom clock output terminal	1.5MHz
3	PLLCE	O	Chip enable output terminal for Dot clock generation	
4	PLLSDA	O	Data output terminal for Dot clock generation	Set for 606 X
5	PLLSCK	O	Clock output terminal for Dot clock generation	
6	EVdd	-	Connect to Vdd	
7	EVss	-	Connect to Vss	
8	BEEP	O	BEEP output terminal (PWM)	440Hz~2kHz
9	VMUTE	O	Image MUTE output terminal	H : VMUTE ON
10	REMO	I	Remote control input terminal	
11	DACS	O	DA converter chip selection output terminal	
12	HSYNC	I	Horizontal sync signal input terminal	Used for BRIGHT output counter clock
13	DADO	O	DA converter data output terminal	
14	DACLK	O	DA converter clock output terminal	
15	BRIGHT	O	BRIGHT Output terminal (PWM)	Synced to SYNC_PWM and output
16	KS0	O	Key scan 0 output terminal	Hi when scanning, Refer to Key matrix sheet
17	KS1	O	Key scan 1 output terminal	Hi when scanning
18	IC/Vpp	-	Connect to Vss	When writing to flash memory, 7.8V supplied
19	KR0	I	Key return 0 input terminal	H : Key ON
20	KR1	I	Key return 1 input terminal	H : Key ON
21	KR2	I	Key return 2 input terminal	H : Key ON
22	KR3	I	Key return 3 input terminal	H : Key ON
23	BUS_RX	I	IE-Bus data input terminal	
24	BUS_TX	O	IE-Bus data output terminal	
25	BUS_STBY	O	BUS driver control terminal	L : Standby
26	RGBSW	O	Image switching terminal	H : DVD image L : TV, etc outside image
27	SYNCSW	O	Sync signal switching terminal	L : Other than those below.
28	BUSMUTE	O	BUS audio mute output terminal	H : MUTE ON
29	BUSGSW	O	Audio switching terminal (for GND)	H : Relay ON L :Relay OFF
30	TOUCH	I	Touch input detection terminal	H : Touch ON L : Touch OFF
31	RESET	I	Rest input terminal	L : Reset
32	XT1	I	Sub-clock connection	32.768kHz
33	XT2	-	Sub-clock connection	
34	REGC	-	Electrolytic condenser connection	1uF
35	X2	-	Main clock connection	12.58MHz
36	X1	I	Main clock connection	
37	Vss	-	Connect to GND	
38	Vdd	-	Connect to BU5V	
39	CLKOUT	O	OPEN	L : Output
40	SHRST	O	Drawing micom reset output terminal	L : Reset
41	SHINI	O	Drawing micom continue ON output terminal	L : Initial ON H : Continue ON
42	SHRDY	I	Drawing micom boot complete detection terminal	H : Boot complete, Need pulldown resister

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
43	SHCON	O	Drawing micom standby control terminal	L : Standby transfer request
44	SHSTBY	I	Drawing micom standby transfer complete detection terminal	H : Standby transfer complete, need pulldown registor
45	SYSCS	O	Drawing micom data transmission request output terminal	L : With transmission request
46	SH_VMUTE	I	Image mute request detection terminal	L : With image mute request
47	TOUCH_EN	O	Touch panel control enable terminal	L : Touch key analysis forbidden
48	ILLUMI	O	ILLUMI output terminal	H : ILLUMI turned on
49	NAVI	O	NAVI image output condition terminal	H : NAVI image L : Other than above
50	LAMP	O	Lamp control terminal	H : Lamp turned on, Blink while monitor in operation
51	SRM_MO1	O	Monitor mechanism motor control termininal1	Refer to monitor mechanism sheet
52	SRM_MO2	O	Monitor mechanism motor control termininal2	
53	DVD_RST	O	DVD micom reset output terminal	L : Reset
54	VSELKEY	I	V.SEL Key	L : key ON
55	BVdd	-	Connect to Vdd	
56	BVss	-	Connect to Vss	
57	NC	O	OPEN	
58	NC	O	OPEN	
59	MAS_REQ	O	DVD micom data transmission request output terminal	L: With request
60	MDN	O	Wide mode switching terminal0	
61	MDW	O	Wide mode switching terminal1	Refer to wide mode sheet
62	MDS	O	Wide mode switching terminal2	
63	OFFREQ	I	OFFREQ detection terminal	L:OFFREQ
64	SYSON	O	SYSON Control terminal	H:SYSON
65	SYSOFF	O	SYSOFF Control terminal	H:SYSOFF
66	PON	O	Peripheral power control terminal	H : Power ON
67	OPENKEY	I	Open key input terminal	L : Key ON
68	EJECTKEY	I	Eject key input terminal	L : Key ON
69	SCRNKEY	I	Screen key input terminal	L : Key ON
70	REFCON	O	Connect to Avref	H : When using AD converter
71	AVdd	-	Connect to Vdd	
72	AVss	-	Connect to Vss	
73	AVref	-	Connect to REFCON	
74	PHDET	I	Monitor mechanism AD input terminal	Multi-tern sensor 0V(Close)~5V(Open)
75	AUTO_DIM	I	AD input terminal for Auto dimmer	0V(Dark)~5V(Bright)
76	DET33	I	3.3V-type power abnormality input terminal	2.5V or less: Abnormality
77	DET5	I	5V-type power abnormality input terminal	2.5V or less: Abnormality
78	DET65	I	6.5V-type power abnormality input terminal	2.5V or less: Abnormality
79	TEST	I	TEST mode terminal	H : test mode ON
80	PARKING	I	Parking sensor input terminal	H : Parking ON
81	SMALL	I	Small input terminal	L : Small ON
82	DET84	I	8.4V-type power abnormality input terminal	2.5V or less: Abnormality
83	TYPE0	I	Destination switching terminal 0	
84	TYPE1	I	Destination switching terminal 1	Refer to destination terminal sheet.

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
85	TYPE2	I	Destination switching terminal 2	
86	NC	O	OPEN	
87	BUDET	I	BU detection terminal	H : Power down
88	ACC	I	ACC detection terminal	L : ACC ON
89	ONREQ	I	ONREQ detection terminal	L : ONREQ
90	SHCS	I	Drawing micom data transmission request detection termianl	L : With transmission request
91	DVD_REQ	I	DVD micom data transmission request detection terminal	
92	HLZSW	I	Monitor mechanism horizontal detection terminal	L : Horizontal
93	SYNC_PWM	I	BRIGHT adjustment PWM input terminal	Dropping edge interruption
94	DVD_DATA	I	DVD micom data input terminal	Used when writing in flash memory
95	MAS_DATA	O	DVD micom data output terminal	Used when writing in flash memory
96	DVD_CLK	O	DVD micom clock output terminal	Used when writing in 1.5MHz flash memory
97	FLASH	I	Pull down	
98	EPSDA	I/O	EEPROM data input / output terminal	Need to pull up registor
99	EPSCK	I/O	EEPROM clock input/output terminal	Need to pull up registor
100	SHDATA	I	Drawing micom data input terminal	

MICROCOMPUTER'S TERMINAL DESCRIPTION

●**GRAPHIC U-COM (IC227:X14-634X-XX) HD6417041AFI28**

Pin	Name	I/O	Function	Description of Processing
1	N.C.	O	Not used	
2	N.C.	O	Not used	
3	N.C.	O	Not used	
4	N.C.	O	Not used	
5	N.C.	O	Not used	
6	Vss	I	GND	
7	A0	O	Address bus	
8	A1	O	Address bus	
9	A2	O	Address bus	
10	A3	O	Address bus	
11	A4	O	Address bus	
12	Vcc	I	5V Power source	Connect to system micom SW5V
13	A5	O	Address bus	
14	Vss	I	GND	
15	A6	O	Address bus	
16	A7	O	Address bus	
17	A8	O	Address bus	
18	A9	O	Address bus	
19	A10	O	Address bus	
20	A11	O	Address bus	
21	A12	O	Address bus	
22	A13	O	Address bus	
23	A14	O	Address bus	
24	A15	O	Address bus	
25	A16	O	Address bus	
26	Vcc	I	5V Power source	Connect to system micom SW5V
27	A17	O	Address bus	
28	Vss	I	GND	
29	N.C.	O	Not used	
30	N.C.	O	Not used	
31	RAS	O	DRAM lower address strobe	
32	CASL	O	DRAM low position column address strobe	
33	N.C.	O	Not used	
34	CASH	O	DRAM high position column address strobe	
35	Vss	I	GND	
36	RDWR	O	DRAM write strobe	
37	A18	O	Address bus	
38	A19	O	Address bus	
39	A20	O	Address bus	
40	Vcc	I	5V Power source	Connect to system micom SW5V
41	A21	O	Address bus	
42	Vss	I	GND	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
43	RD	O	External device read out strobe	
44	N.C.	O	Not used	
45	SH_VMUTE	O	Image mute terminal	H: Image mute ON
46	NTSC_PAL	O	NTSC⇔PAL switching terminal	H: NTSC L: PAL/SECAM
47	WRH	O	External device high position write strobe	
48	WRL	O	External device low position write strobe	
49	CS1	O	Chip selection1 (Q2 internal register)	L: Chip selection
50	CS0	O	Chip selection0 (ROM)	L: Chip selection
51	N.C.	O	Not used	
52	N.C.	O	Not used	
53	CS3	O	Chip selection3 (SRAM)	L: Chip selection
54	CS2	O	Chip selection2 (VRAM)	L: Chip selection
55	Vss	I	GND	
56	N.C.	O	Not used	
57	N.C.	O	Not used	
58	N.C.	O	Not used	
59	DACK	O	DMA transfer strobe for Q2 (Not used)	
60	N.C.	O	Not used	
61	Vss	I	GND	
62	DREQ	I	DMA transfer request from Q2 (Not used)	
63	Vcc	I	5V Power source	Connect to system micom SW5V
64	N.C.	O	Not used	
65	N.C.	O	Not used	
66	N.C.	O	Not used	
67	N.C.	O	Not used	
68	N.C.	O	Not used	
69	SYSCS	I	Transmission request signal from system micom	L: Transmission request
70	IRL	I	Interrupt request form Q2	L: Interrupt request
71	Vss	I	GND	
72	SHCON	I	Graphic micom control terminal	L: Graphic micom standby
73	D15	I/O	Data bus	
74	D14	I/O	Data bus	
75	D13	I/O	Data bus	
76	D12	I/O	Data bus	
77	Vcc	I	5V Power source	Connect to system micom SW5V
78	D11	I/O	Data bus	
79	Vss	I	GND	
80	D10	I/O	Data bus	
81	D9	I/O	Data bus	
82	D8	I/O	Data bus	
83	D7	I/O	Data bus	
84	D6	I/O	Data bus	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
85	Vcc	I	5V Power source	Connect to system micom SW5V
86	D5	I/O	Data bus	
87	Vss	I	GND	
88	D4	I/O	Data bus	
89	D3	I/O	Data bus	
90	D2	I/O	Data bus	
91	D1	I/O	Data bus	
92	D0	I/O	Data bus	
93	Vss	I	GND	
94	XTAL	I	Oscillation terminal connection terminal	
95	MD3	I	Operation mode control	Mode setting : H fixed
96	EXTAL	I	Oscillation terminal connection terminal	
97	MD2	I	Operation mode control	Mode setting : H fixed
98	NMI	I	Non-mass couple interruption	Not used : H fixed
99	Vcc	I	5V Power source	Connect to system micom SW5V
100	N.C.	O	Not used	
101	WAIT	I	WAIT cycle insert signal form Q2	
102	MD1	I	Operation mode control	Mode setting : H fixed
103	MD0	I	Operation mode control	Mode setting : H fixed
104	PLLVcc	I	5V power source for built-in PLL	
105	PLLCAP	I	Capacity for built-in PLL	
106	PLLVss	I	GND for built-in PLL	
107	N.C.	O	Not used	
108	SHRST	I	Reset terminal	L: Reset condition
109	N.C.	O	Not used	
110	N.C.	O	Not used	
111	N.C.	O	Not used	
112	Vcc	I	5V Power source	Connect to system micom SW5V
113	X_P	O	Switching output for touch input	
114	X_G	O	Switching output for touch input	
115	N.C.	O	Not used	
116	Y_G	O	Switching output for touch input	
117	Vss	I	GND	
118	ANA63	I	Analog input for Spe-Ana (63Hz)	
119	ANA150	I	Analog input for Spe-Ana (150Hz))	
120	ANA330	I	Analog input for Spe-Ana (330Hz))	
121	ANA1k	I	Analog input for Spe-Ana (1kHz))	
122	ANA3k	I	Analog input for Spe-Ana (3kHz))	
123	ANA10k	I	Analog input for Spe-Ana (10kHz))	
124	AVss	I	Analog GND	
125	TOUCH_X	I	Touch data input terminal (X-coordinate)	
126	TOUCH_Y	I	Touch data input terminal (Y-coordinate)	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
127	AVref	I	Analog reference power supply	Connect to system micom SW5V
128	AVcc	I	5V Power source	Connect to system micom SW5V
129	Vss	I	GND	
130	SYSDATA	I	Data input line from system micom	
131	SHDATA	O	Data output line from system micom	
132	SYSCLK	I	Clock input line from system micom	
133	N.C.	O	Not used	
134	N.C.	O	Not used	
135	Vcc	I	5V Power source	Connect to system micom SW5V
136	SHSTBY	O	Notice line for standby transfer complete	H: Standby transfer complete
137	TOUCH	O	Notice line for touch panel ON	H: Touch panel ON
138	SHCS	O	Transmission request signal for system micom	
139	N.C.	O	Not used	
140	SHRDY	O	Notice line for communication ready	H: Communication ready
141	Vss	I	GND	
142	N.C.	O	Not used	
143	TOUCH_EN	I	Permission line for touch key analysis	L: Permission for touch key analysis
144	SHINI	I	Initial start control line	L: Initial start (When reset)

MICROCOMPUTER'S TERMINAL DESCRIPTION

●TU-SYSTEM U-COM (IC31:X25-862X-XX) µPD784215GC-206

Pin	Name	I/O	Function	Description of Processing
1	OFF_REQ_P	I	BUS off Request	L: BUS OFF
2	ON_REQ_P	I	BUS on Request	L: BUS ON
3	NC	O	Not used	
4	ILL_ON	O	ILLUMI output terminal	H : ILL ON
5	A	O	Not used	
6	NC	O	Not used	
7	NC	O	Not used	
8	NC	O	Not used	
9	Vdd	-	Main power input	
10	X2	-	Main system clock oscillation terminal	
11	X1	-	Main system clock oscillation terminal	
12	Vss	-	GND terminal	
13	XT2	-	Sub system clock oscillation terminal	
14	XT1	-	Sub-clock input	
15	RESET	I	Reset input	L: RST
16	NC	O	Not used	
17	R_CLK	I	RDS clock input	
18	REQC	I	handshake request from changer	L: Request
19	BRST_P	O	IE-Bus reset	L: RST
20	BCS_P	O	IE-Bus chip select	L: CS
21	BCD_P	O	IE-Bus Command/Data	H: Control mode, L: Read-Write mode
22	BIRQ_P	I	IE-Bus IC request	
23	AVdd	-	Analog power source for A/D	
24	AVref0	-	Reference voltage input for A/D	
25	PHONE	I	PHONE detection	NAV2.5V↑, PHONE1V↓
26	NC	I	Not used	
27	NOISE	I	FM noise detection	A/D input
28	SMETER	I	FM Smeter detection	A/D input
29	NC	I	Not used	
30	NC	I	Not used	
31	IF_MODE	I	IF condition detection for K21	Reading port
32	NC	I	Not used	
33	AVss	-	A/D GND terminal	
34	NC	O	Not used	
35	NC	O	Not used	
36	AVref1	-	Reference voltage input for D/A	
37	BDIC_P	I	Bus IC data input	
38	BDCOM_P	O	Bus IC data output	Maintain last
39	BCLK_P	O	Bus IC clock out	
40	DATAC	I	Data line from changer	
41	DATAH	O	Data line to changer	
42	CH_CLK	I/O	Clock line with changer	Input port while changer control is OFF

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
43	REQH	O	Handshake request to changer	L: REQ request
44	BEEP	O	BEEP output	Not used at final level
45	PLL_CE_P	O	CE to PLL	
46	PLL_DATA_P	I/O	Data input/output with PLL	
47	PLL_CLK_P	O	Clock to PLL	
48	CHCON	O	Changer control	H: CHCON ON
49	NC	O	Not used	
50	NC	O	Not used	
51	NC	O	Not used	
52	NC	O	Not used	
53	TEST_IN	I	"H" & Reset→TEST MODE start	H: TEST MODE
54	NC	O	Not used	
55	NC	O	Not used	
56	QUAL_P	I	RDS quality	H:GOOD Signal quality indication
57	R_DATA_P	I	RDS data input	
58	RELAY_P	O	MX-Bus Audio control	H: Own source, L: other source
59	DSP_SW_P	O	DSP control	H: With, L: Without
60	NC	O	Not used	
61	NC	O	Not used	
62	FMSD_P	I	FM Sd input	H: Receiving
63	NC	O	Not used	
64	AFC_P	O	Constant switched when detecting noise	H: Normal reception, L: Seek/Search
65	NC	O	Output open	
66	WIDE_P	O	K2I Force wide output	
67	NARROW_P	O	K2I Force narrow output	
68	AM+B	O	AM Power supply	H: AM+B ON
69	FM+B	O	FM Power supply	H: FM+B ON
70	DIVER_P	O	Diversity control	
71	NC	O	Output open	
72	Vss	-	GND terminal	
73	TYPE1	I	Destination setting	
74	TYPE2	I	Destination setting	
75	IC2_TYPEO_P	I	IC 2 Destination terminal 0	
76	IC2_TYPE1_P	I	IC 2 Destination terminal 1	
77	TEST_IC2_IN	I	"L" & Reset→TEST MODE start	
78	NC	O	Not used	
79	FE_ADJ_OK_P	O	F/E Adjustment OK	
80	NC	O	Not used	
81	Vdd	-	Power source input	
82	P_STBY_P	O	Power IC standby	L: S TBY OFF, H: STBY ON
83	SVR_P	O	Power IC reset	H: SVR ON (Discharge), L: SVR OFF
84	TEST_MODE_P	O	TEST mode →Low	H: MUTE ON, L: MUTE OFF

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
85	P_MUTE_P	O	Power IC mute	
86	ANTC_P	O	Antenna control	H: ANT-CON ON
87	EXT CON	O	Amplifier control	
88	DIMMER_P	I	Small detection	L: Small detection
89	P_CON_P	O	Power control	H: P-CON ON
90	ACC_P	I	ACC Detection	L: ACC Detection
91	NC	O	Not used	
92	P_ON_P	O	Micom peripheral power supply	H: P-ON
93	BU_DET_P	I	BU detection	L: Power down detection
94	TEST	-	TEST	L: Normal H: Flash writing
95	IC2_SDA	I/O	I2C bus data	
96	IC2_SCK	O	I2C bus clock	
97	MUTE	O	Mute	
98	NC	O	Not used	
99	SYS_OFF_P	O	Bus off output	L: BUS OFF
100	SYS_ON_P	O	Bus on output	L: BUS ON

MICROCOMPUTER'S TERMINAL DESCRIPTION

●TV-TUNER U-COM (IC78:X25-862X-XX) uPD703035AGC-014-8EU

Pin	Name	I/O	Function	Description of Processing
1	TV_MUTE	O	Screen mute during TV seek	H : MUTE ON
2	IIC_SCL	I/O	IIC clock input/output	(Need to pull up registor)
3	NC	O	Open	
4	AM_FM	O	Audioswitching in France	Hi-Z : FM, L : AM(FRANCE) (Used as N-ch O/D)
5	AMUTE	O	Audiomute output for AV-OUTselector	H : AMUTE ON
6	EVdd	-	Connect to Vdd	
7	EVss	-	Connect to Vss	
8	NC	O	Open	
9	NC	O	Open	
10	NC	O	Open	
11	NC	O	Open	
12	PLLENB	O	PLLdata enable output	(with out E, W type)
13	PLLDATA	O	PLLserial data output	(with out E, W type)
14	PLLCLK	O	PLL serial clock output	(with out E, W type)
15	E_VOL	O	NAVI interrultion volume control output	PWM output (about 30kHz)
16	NC	O	Open	
17	NC	O	Open	
18	IC/Vpp	-	Connect to Vss (Need pull-down registor)	When writing to flash memory, 7.8V supply
19	NC	O	Open	
20	NC	O	Open	
21	BUS_MUTE	O	Audiomute output for MZ-BUS	H : MUTE ON
22	BUS_G_SW	O	MZ-BUS Relay control ouput	H :Relay ON (own source) L : Relay OFF (other source)
23	IERX	I	IEBus data input	
24	IETX	O	IEBus data output	
25	BUS_STBY	O	BUS driver control ouput	L : standby
26	NC	O	Open	
27	NC	O	Open	
28	NC	O	Open	
29	NC	O	Open	
30	NC	O	Open	
31	RESET	I	Reset input	L : Reset
32	NC	I	Connect to Vss	
33	NC	-	Open	
34	REGC	I	Connect electrolytic condenser	1uF
35	X2	-	Connect system clock	12.58MHz
36	X1	I	Connect system clock	
37	Vss	-	Connect to GND	
38	Vdd	-	Connect to BU5V	
39	NC	O	Open	
40	M_S	O	Main/Sub Audioswitching (J type only)	H : MAIN L : SUB
41	DK	O	IF switching (E, W, H, M, C, X type)	H : DK AREA

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
42	BIL	I	Bi-lingual broadcast detection (J type only)	L : Bi-lingual broadcast H : Other
43	I	O	IF switching (E, W, H, M, C, X type)	H : I AREA
44	ST	I	Stereo broadcast detection (J type only)	L : Stereo broadcast H : Other
45	BG	O	IF switching (E, W, H, M, C, X type)	H : BG AREA
46	L2	O		H : FRANCE VHF-Low
47	NC	O	Open	
48	NC	O	Open	
49	NC	O	Open	
50	NC	O	Open	
51	NC	O	Open	
52	NC	O	Open	
53	NC	O	Open	
54	NC	O	Open	
55	BVdd	-	Connect to Vdd	
56	BVss	-	Connect to Vss	
57	SEL1	O	NAVI, 2-zone Audio interrupt switching	Refer to NAVI/2ZONE Selector sheet
58	SEL2	O	NAVI, 2-zone Audio interrupt switching	
59	SEL3	O	NAVI, 2-zone Audio interrupt switching	
60	SEL4	O	NAVI, 2-zone Audio interrupt switching	
61	RGB_SW	O	TV/NAVI image switching (Monitor image)	H : TV/VD1/VD2, L : NAVI
62	AR_MUTE	O	2-zoneREAR output mute output	H : MUTE ON, at 2-zon, on with the same timing as AMUTE
63	AF_MUTE	O	NAVI Audio interrupt mute output	H : MUTE ON
64	NC	O	Open	
65	NC	O	Open	
66	NC	O	Open	
67	NC	O	Open	
68	NC	O	Open	
69	NC	O	Open	
70	REFCON	O	Connect ot Avref	H : A/D reference voltage ON
71	AVdd	-	Connect to Vdd	
72	AVss	-	Connect to Vss	
73	AVref	I	Connect to REFCON	
74	NC	I	Connect to GND	
75	TEST MODE IN	I	For test mode input	"H" (Shortcircuit CN30), then, reset Same as micom for FM/AM
76	TYPE_M	I	M type TV tuner N-value switching	L(M1) : As conventional (38.0) H(M2) : IF=38.9
77	NC	I	Connect to GND	
78	NC	I	Connect to GND	
79	NC	I	Connect to GND	
80	NC	I	Connect to GND	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
81	NC	I	Connect to GND	
82	TYPE1	I	Destination switching	
83	TYPE2	I	Destination switching	
84	TYPE3	I	Destination switching	
85	NC	I	Connect to GND	
86	NC	O	Open	
87	BUDET	I	BU detection	H : Power down
88	ON_REQ	I	ONREQ detection	L : MZ-BUS system ON
89	OFF_REQ	I	OFFREQ detection	L : MZ-BUS system OFF
90	PON	O	Peripheral power supply control	H : Power ON L : Power OFF
91	NC	O	Open	
92	NC	O	Open	
93	NC	O	Open	
94	FLASH_DI	I	Reserved for writing in flash memory	
95	FLASH_DO	O	Reserved for writing in flash memory	
96	FLASH_CK	O	Reserved for writing in flash memory	
97	NAVI_RXD	I	Data input from NAVI	
98	NAVI_TXD	O	Data output to NAVI	
99	NC	O	Open	
100	IIC_SDA	I/O	Data output to IIC	(Need to pull up registor)

MICROCOMPUTER'S TERMINAL DESCRIPTION

●MECHANISM U-COM (IC22:X37-1010-02) HD6433062G24XI

Pin	Name	I/O	Function	Description of Processing
1	VCC	-	Positive power source terminal	Connect to 5V line
2	DATA	O	CXD3008Q Serial data output	
3	XLAT	O	CXD3008Q Serial data latch output	
4	CE	O	CXD1867R chip selection output	Lo: Selection
5	SCLK	O	CXD3008Q SENS data clock output	
6	F REQ	O	Local I/F RDY output	
7	E2 CLK	I/O	EEPROM Clock output	
8	E2 DATA	I/O	EEPROM data input/output	
9	PON	O	RF5V,D5V ON/OFF output	Hi: ON, Lo: OFF
10	FWE	I	flash memory write	Not used (Pulldown to GND line)
11	VSS	-	GND terminal	Connect to GND line
12	F DATA	O	Local I/F data transmission output	
13	GAIN	O	Pickup gain switching output	Hi: Gain Lo
14	B DATA	I	Local I/F data reception input	
15	RXD1	I		Not used (Pull-up to 5V line, input when writing to flash memory)
16	B CLK	I	Local I/F clock input	
17	B REQ	I	Local I/F Interrupt input	Hi→Lo: Request
18	LDON	O	High-frequency redundancy control output	Hi: ON, Lo: OFF
19	HOLD	O	Focus servo forced defect output	Hi: Hold
20	LOAD	O	Load motor control output	Hi: ON, Lo: OFF
21	UNLOAD	O	Eject motor control output	Hi: ON, Lo: OFF
22	VSS	-	GND terminal	Connect to GND line
23	SDEN	O	SP3721A chip enable output	Hi: Enable
24	SCLK	O	SP3721A serial clock output	
25	SDATA	I/O	SP3721A serial data input/output	
26	PH ON	O	Photo sensor power source ON/OFF output	Hi: ON, Lo: OFF
27	D8	I/O	Data bus	
28	D9	I/O	Data bus	
29	D10	I/O	Data bus	
30	D11	I/O	Data bus	
31	D12	I/O	Data bus	
32	D13	I/O	Data bus	
33	D14	I/O	Data bus	
34	D15	I/O	Data bus	
35	VCC	-	Positive power supply terminal	Connect to 5V line
36	A0	O	Address bus	
37	A1	O	Address bus	
38	A2	O	Address bus	
39	A3	O	Address bus	
40	A4	O	Address bus	
41	A5	O	Address bus	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
42	A6	O	Address bus	
43	A7	O	Address bus	
44	VSS	-	GND terminal	Connect to GND line
45	A8	I	Address bus	Not used (Built-in pull-up)
46	SENS	I	CXD3008Q SENS data input	
47	FOK	I	FOK input	Hi: Focus OK
48	SLIM SW	I	Pickup start limit switch position detection input	Lo: Start limit position
49	DOWN SW	I	Mechanism loading complete detection input	Lo: Loading completion
50	EJECT	I	Forced eject request terminal	Lo: Eject
51	PONREQ	I		Not used (Built-in pull-up)
52	NC	I		Not used (Built-in pull-up)
53	IFSEL	I	CXD1867R interface selection terminal	Hi: AV, Lo: ATAPI
54	MNT2	I	CXD1867R monitor input (SCSY)	
55	E2 SEL	I	EEPROM mode switching input	Not used (Lo: write mode)
56	TEST(TYPE)	I	Mechanism type switching input	Hi: 12cm, Lo: 12/8cm
57	VSS	-	GND terminal	Connect to GND line
58	AMUTE	O	Audio mute request output	Hi: ON, Lo: OFF
59	DEEMPH	I	De-emphasis input	Hi: With, Lo: Without
60	PD	O	DAC power ON/OFF selection output	Not used (Hi: ON, Lo: OFF)
61	∅	I		Not used (Pulldown to GND line)
62	STBY	I	Standby input	Not used (Connect to 5V line)
63	RES	I	Reset input	Lo: Reset
64	NC	I		Not used (Connect to 5V line)
65	VSS	-	GND terminal	Connect to GND line
66	EXTAL	-	Clock input	
67	XTAL	-	Clock output (16MHz)	
68	VCC	-	Positive power supply terminal	Connect to 5V line
69	AS	O	address strobe output	Not used (Pulldown to GND line)
70	RD	O	Read output	
71	HWR	O	Write (High)	
72	LWR	O	Write (Low)	Not used (Pulldown to GND line)
73	MD0	I	For setting operation mode (Mode 5)	Connect to 5V line
74	MD1	I	For setting operation mode	Connect to GND line
75	MD2	I	For setting operation mode	Pull-up to 5V line
76	AVCC	-	A/D converter power supply terminal	Connect to 5V line
77	VREF	-	A/D converter reference voltage terminal	Connect to 5V line
78	PHOTO A	I	Disk insert/eject sensor signal A	Hi: Disk in place
79	PHOTO B	I	Disk insert/eject sensor signal B	Hi: Disk in place
80	HOT	I	High-temperature detection	
81	FE	I	Focus error signal input	
82	JITTER	I	RF jitter value input	
83	PHOTO C	I	Disk insert/eject sensor signal C	Hi: Disk in place

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Name	I/O	Function	Description of Processing
84	OFFSET ADJ	O	OpeAmp offset adjustment output	
85	PI	I	PI input	
86	AVSS	-	A/D converter GND terminal	Connect to GND line
87	M STBY	O	Micom standby interrupt output	Hi→Lo: Request
88	XINT	I	CXD1867R decoder interrupt input	Lo: Reset
89	FZC H	I	FZC detection interrupt input at layer jump	Hi→Lo: Request
90	FZC L	I	FZC detection interrupt input at layer jump	Hi→Lo: Request
91	ATA RST	I	ATAPI Reset input	Lo: Reset
92	VSS	-	GND terminal	Connect to GND line
93	SLED	I	Pickup position detection pulse input	
94	FCS UP	O	Focus jump UP output	Hi: Jump
95	FCS DOWN	O	Focus jump DOWN output	Hi: Jump
96	FG	I	FG pulse input	
97	DRV MUTE	O	Driver mute output	Lo: Mute
98	CLOCK	O	CXD3008Q serial data Clock output	
99	SP STOP	O	Spindle motor control output	Hi: Brake
100	L RES	O	Peripheral LSI Reset output	Lo: Reset

MICROCOMPUTER'S TERMINAL DESCRIPTION

Destination Terminal Logic (TU-SYSTEM U-COM)

	Port name	
	TYPE 1 (73pin)	TYPE 2 (74pin)
J type	Hi	Hi
K, R type	Low	Low
E, W, M type	Hi	Low
H, C, X type	Low	Hi

Destination Terminal Logic (SYSTEM U-COM)

	Port name		
	TYPE0	TYPE1	TYPE2
J type	Low	Low	Low
K, R type	Hi	Low	Low
M, C, X type	Low	Hi	Low
H type	Hi	Hi	Low
E type	Low	Low	Hi
W type	Hi	Low	Hi

Destination Terminal Logic (TV-TUNER U-COM)

	Port name		
	TYPE1	TYPE2	TYPE3
J type	Low	Low	Low
K, R type	Low	Hi	Low
H type	Hi	Hi	Low
E, W type	Low	Low	Hi
M, C, X type	Hi	Low	Hi

Wide Mode Control Terminal Logic (SYSTEM U-COM)

	Port name		
	MDS	MDW	MDN
Full screen	Hi	Hi	Hi
Wide 1	Hi	Hi	Low
Normal	Hi	Low	Hi
Cinema	Hi	Low	Low
Wide 2	Low	Hi	Hi

Monitor Mechanism Control Terminal Logic (SYSTEM U-COM)

	Port name	
	SRM_MO1	SRM_MO2
Stop	Low	Low
Open	Hi	Low
Close	Low	Hi
Brake	Hi	Hi

MICROCOMPUTER'S TERMINAL DESCRIPTION

KEY Matrix (SYSTEM U-COM)

	KR0	KR1	KR2	KR3
KS0	Vol Down	Vol Up	Seek Down	Seek Up
KS1	ATT	T.I.	Source	

NAVI/2ZONE Audio Interrupt Selector Logic (TV-TUNER U-COM)

		Port name			
		SEL1	SEL2	SEL3	SEL4
FRONT	Normal	Hi	Hi	Hi	Hi
	NAVI	Hi	Low	Hi	Hi
REAR	Normal	Hi	Hi	Hi	Hi
	2ZONE	Hi	Hi	Hi	Low

Test Mode Control Terminal Logic for DVD Image Quality Adjustment (VIDEO U-COM)

	Port name	
	Test1	Test2
Image Quality Adjustment Mode (Microvision OFF)	Low	Hi
Image Quality Adjustment Mode (Microvision ON)j	Low	Low
Normal Operation	Hi	Don't Care

1. How to enter test mode

Short-circuit [TEST1] terminal to GND, and reset.

↓

From that point on, from DVD-Video image output, color bar is displayed.
(Adjustment is conducted by variable registor.)

↓

By adjusting the logic of [TEST2] terminal, Microvision can be turned ON/OFF.

MICROCOMPUTER'S TERMINAL DESCRIPTION

Test Mode Specification

1. How to Enter the Test Mode

There are the following two ways to enter the test mode.

● Reset while pressing both Volume Down Key and Seek Up Key.

● Reset while short-circuiting CN30 on the side B-Box.

2. Operation Specification in Test Mode

2-1 Tuner Test Mode

● FM S-meter voltage adjustment

1. Press Preset① Key for a little longer.
2. When OK "777.7MHz" is displayed. When NG,"00.0MHz" is displayed.

● AM SD voltage write

1. Press Preset① Key little longer.

● Conduct forced switching of K2I AUTO/MANUAL.

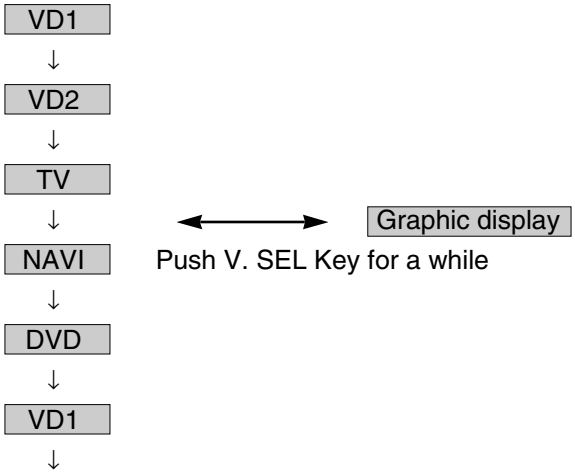
1. Press T.I Key.
2. When "T.I" dot lights up, the set is in AUTO mode.

● Conduct forced switching of K2I

1. Press Preset⑥ Key.

2-2 V. SEL Key Specification

Each time the V.SEL Key is pressed, the screen mode changes as shown below.



2-3 TV Test Mode

Preset value is changed for test mode.

2-4 Audio Operation Specification

Various setting values

Volume:	Step30
Loud:	Off
BAS/TRE:	0
BAL:	Center
FAD:	Center
HPF:	Through

Operation specification at switching

Volume:	As usual
BAS/TRE:	Full boost ↔ Full cut
BAL:	Full lest ↔ Center ↔ Full right
FAD:	Full front ↔ Center ↔ Full rear
HPF:	Through ↔ 100Hz ↔ 200Hz

2-5 Screen Adjustment Test Mode

Various setting values

Wide mode:	FULL
Bright:	Center
Tint:	Center
Color:	Center
Black:	Center
Contrast:	Center
AutoDimmer:	OFF

Operation specification at switching

MIN ↔ Center ↔ MAX

2-6 EEPROM Write Mode

The following must be conducted when pasting EEPROM on which DVD Region Code is written.

● Mask Key Registration Mode
(Mask Key Specification only)
Refer to Mask Key Specification

● Panel mechanism position compensation value write processing

1. Press Open Key and open the panel.
2. When panel is opened, erect the panel and press Open Key.
3. Put down the panel.
4. After the panel opens/closes, if there were three beeps, writing is done.

MICROCOMPUTER'S TERMINAL DESCRIPTION

MASK Key Specification (E, W type)

① **How to register MASK Key Code on the line (Initial condition → Factory specification)**

1. Put the set in test mode by conducting the following
   - ● While short-circuiting CN30 on the side of B-Box, press Reset button.
   - ● While pressing VOL Down Key and Seek Up, press Reset button.
2. Press V. SEL Key for a while longer and switch to graphic screen.
3. Touch on Set UP Key, and display Set Up Screen.
4. Touch on Security Key and display Mask Key Code registration screen.
5. When the "1st" screen is displayed, press Mask keyfor 0.5 seconds or longer.
6. When the "2nd" screen is displayed, press Mask Key again for 0.5 seconds or longer.
7. When MASK Key registration screen is released and Set upscreen is displayed, registration is completed.

② **How to give permission for MASK Key Code (Factory specification → Permission condition)**

1. Touch on Set UP Key from the graphic screen, and display Set Up Screen
2. Touch on Security Key and display MASK Key Code permission screen.
3. When "1st" screen is displayed, press MASK Key for more than two seconds. (Until bar display is completed.)
4. When "2nd" screen is displayed, press MASK Key again for more than two seconds. (Until bar display is completed.)
5. After "OK"is displayed, MASK Key permission screen is released. When Set Up screen is displayed, permission condition has been achieved.
   At this point, Srcurity Key in the Set UP screen cannot be selected. (Gray screen)

③ **How to input Mask Key at Security On (Permission condition → Release condition)**

1. In Mask Key permission condition, turn power on after Reset or turning backup OFF.
   Mask Key input screen is displayed.
2. When "1st" screen is displayed, press Mask Key for more than two seconds. (Until bar display is completed.)
3. When "2nd" screen is displayed, press Mask Key again for more than two seconds. (Until bar display is completed.)
4. After "OK" is displayed, Mask Key input screen is released. When Menu screen is displayed, Security is released.
   At this point, Security Key in the Set UP screen cannot be selected. (Gray screen)

④ **How to initialize Mask Key (Permission condition → Factory condition)**

1. In Mask Key permission condition, turn power on after Resetor turning backup OFF.
   Mask Key input screen is displayed.
2. When "1st" screen is displayed, press Mask Key for more than two seconds.
   (Until bar display is completed.)
3. When Mask Key input screen is released and Menu screen is displayed, Factory Condition is achieved.
   At this point, Security Key in the Set UP screen can be selected.

⑤ **How to clear all Mask Key (Factory condition → Initial condition)**

1. Put the set in the Test Mode by conducting the following.
   - ● While short-circuiting CN30 on the side of B-Box, press Reset button.
   - ● While pressing both VOL Down Key and Seek Up, press Reset.
2. Press V.SEL Key for a while longer and switch to graphic screen.
3. Touch on Set Up Key, and display Set Up Screen.
4. Touch on Security Key and display Mask Key Code registration screen.
5. When the "1st" screen is displayed, press Mask Key for 0.5 seconds or longer.
6. When Mask Key registration screen is released and Set up screen is displyaed, initial condition is achieved.

Code Security Specification (K,R,H,X,C,M type)

How to clear Security Code

1. When in Security On condition, after resetting or turning backup off, turn the power on.
   Then, Security Code input screen is displayed.

2 Using Audio remote control (custom code B946), input the code in the following procedure.
Procedure 1: "K"input (Press Ten Key ⑤twice.)
Procedure 2: Input "C" (Press Ten Key ②three times.)
Procedure 3: Input "A" (Press Ten Key ②once)
Procedure 4: Input "R" (Press Ten Key ⑦twice)
When making a mistake in the above procedure, Press any other remote control key, and then start from the Procedure 1 again.

3 When Security Code input screen is released and Menu screen is displayed, the Security Code is cleared.

CIRCUIT DESCRIPTION

DVD-Video Section Description of Circuits

1. Block Diagram

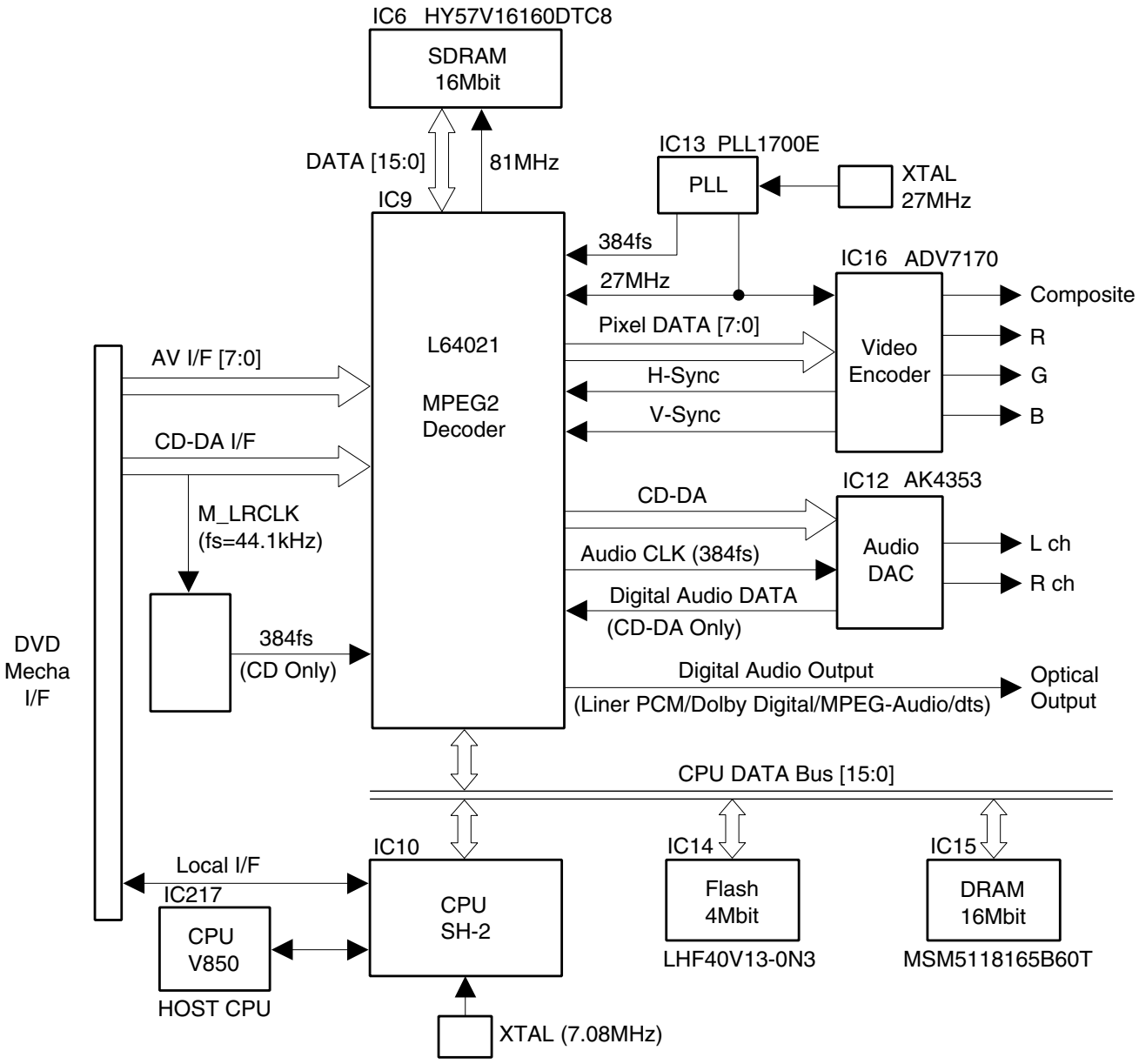


fig.1

CIRCUIT DESCRIPTION

2. Outline of Movements

Below are description on of the outline of movements of HW during DVD video and CD playback.

2-1 Movements during DVD video playback

1) The DVD mechanism transfers data read from the DVD video disk to the MPEG decoder via the AV interface.
2) The MPEG decoder, conducts analyses of the received data at the Pre Parser (Write FIFO). Then, the decoder divides up the data into video data, audio data, sub-picture data, navigation pack and system data, and then stores the data in SDRAM.

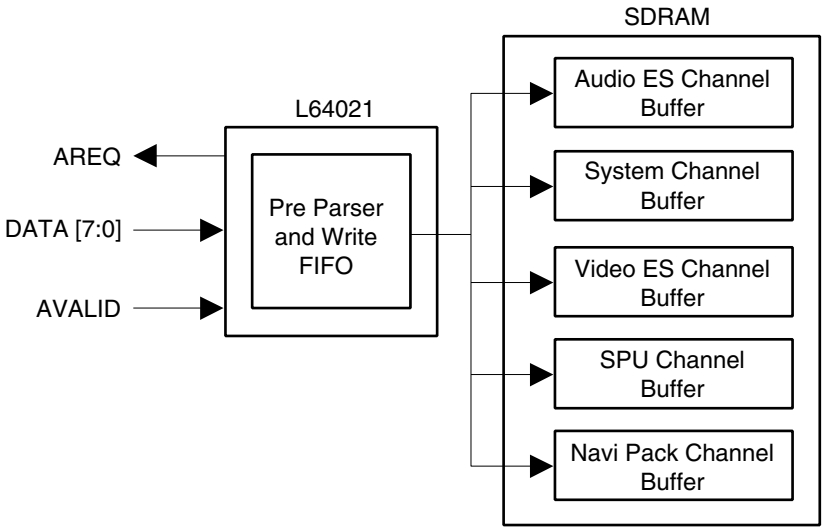


fig.2

3) The CPU watches over the data stored in SDRAM (System Channel Buffer, Navi Pack Channel Buffer) and when data with designated length is stored, instructs MPEG decoder to start decoding.
4) When instructed t o begin decoding on the data, the MPEG decoder reads the data stored in SDRAM and transfers the data to decoder modules, as shown in the diagram below.

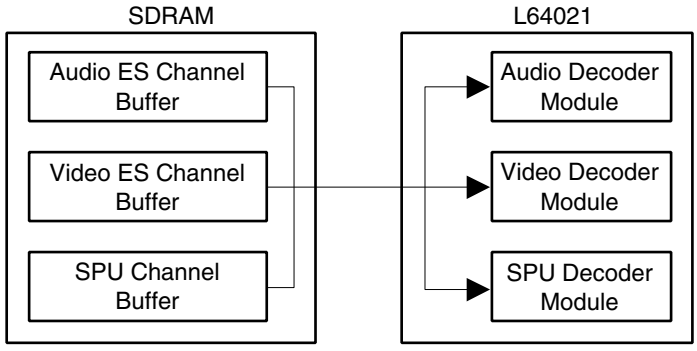


fig.3

CIRCUIT DESCRIPTION

5) Data forwarded to the Video Decoder Module and SPU Decoder Module is decoded and then forwarded to the Video Interface Block, as shown in the diagram below(fig.4).

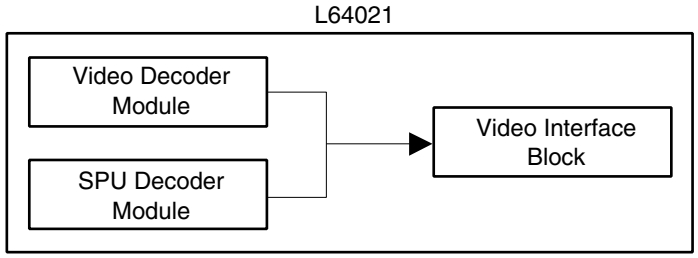


fig.4

Data forwarded to the Video Interface Block is converted to 8-bit pixel data (ITU-R BT.601) either in NTSC or PAL format (set by register). Then the data is synchronized with the H-Sync/V-Sync signal output by the 27MHz clock and Video Ehcoder (ADV7170) and forwarded to the Video Encoder.

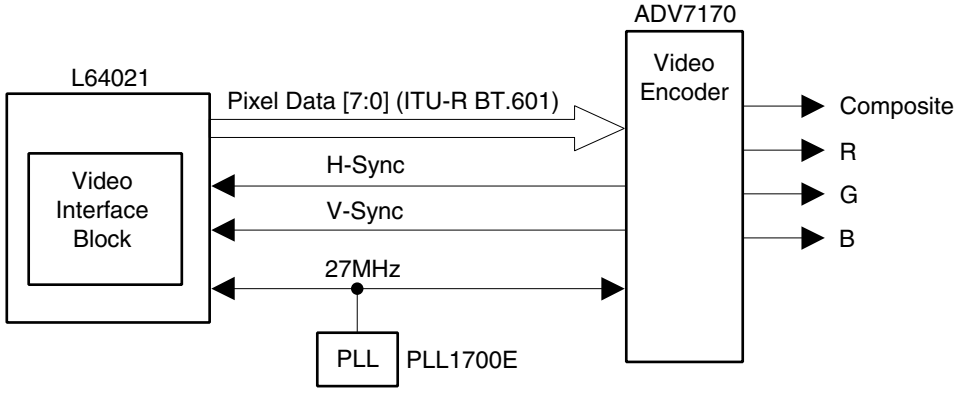


fig.5

The data forwarded to the Audio Decoder Module is decoded by the format designated by the user, or with the format recorded in the DVD video disk (Linear PCM, Dolby Digital, MPEG). At the same time, it is SPDIF output using the same format as the decoded audio format. (DTS cannot be decoded and only SPFIF output is possible.

The decoded data is synchronized to Audio CLK (384fs) after converting to audio data (SDAT, LRCLK, BCLK) and hen forwarded to the Audio DAC (AK4353).

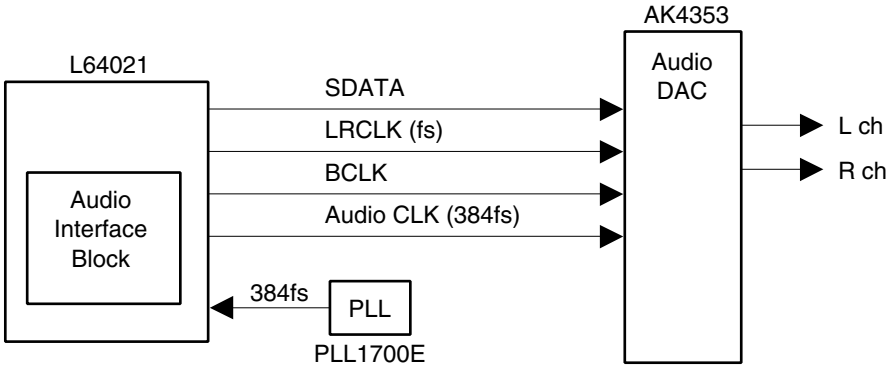


fig.6

6) The pixel data forwarded to the Video Encoder is converted to composite and RGB signals of NTSO or PAL formalt and transmitted to the liquid crystal panel and image output circuit.

The audio data (SDATA, LRCLK, BCLK, Audio CLK) forwarded to Audio DAC is converted to 2-channel L-R signal and output form RCA connector.

2-2 Movements at the time of Replaying CD

1) The DVD mechanism forwards the data read from the CD to MPEG Decoder via the CD-DA interface.
2) In CD mode, the MPEG Decorder will be in the bypass mode and forwards the input data to Audio DAC without doing any thing to it.
3) The Audio data (SDATA, LRCLK, BCLK, Audio CLK) forwarded to the Audio DAC is converted to 2-channel L-R signal and output from the RCA connector.

At the same time, the input audio data is converted to SPDIF by the DIT (Digital Interface Transmitter), which is built into Audio DAC, and is output to MPEG Decoder.

The SPDIF data input by the MPEG Decoder is, again, output from the MPEG Decoder at the same time as playbacking of the DVD, without being worked on.

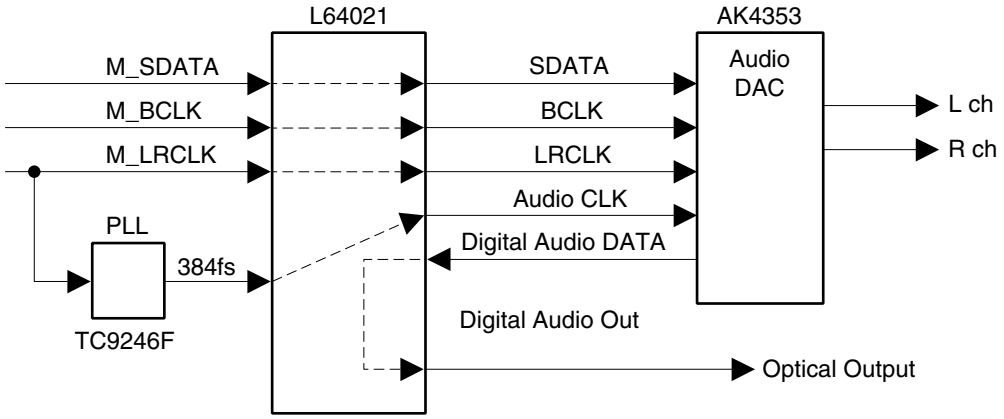


fig.7

2-3 CPU peripheral circuit movement

The CPU conducts control over the DVD Video System as a whole. The program is stored in the flash memory and the DRAM is used as the program work area. The CPU mainly controls the LSI control such as MPEG Decoder, Video Encoder, Audio DAC, etc, and the like and also controls communication with the Host CPU, and DVD Mechanism.

In communication with the Host CPU, simple serial communication is used and communications on system control commands and DVD and CD related communications such as Playback Control (Remote Control Code) are conducted.

The communication with DVD mechanisms is conduced by using local interface mainly for disc information and analysis of playback information instructed by the host CPU on DVD and CD, and for the communication of DVD mechanism control information.

ADJUSTMENT

X14 DVD Image Adjustment Specification

1. Connection and Measurement Locations

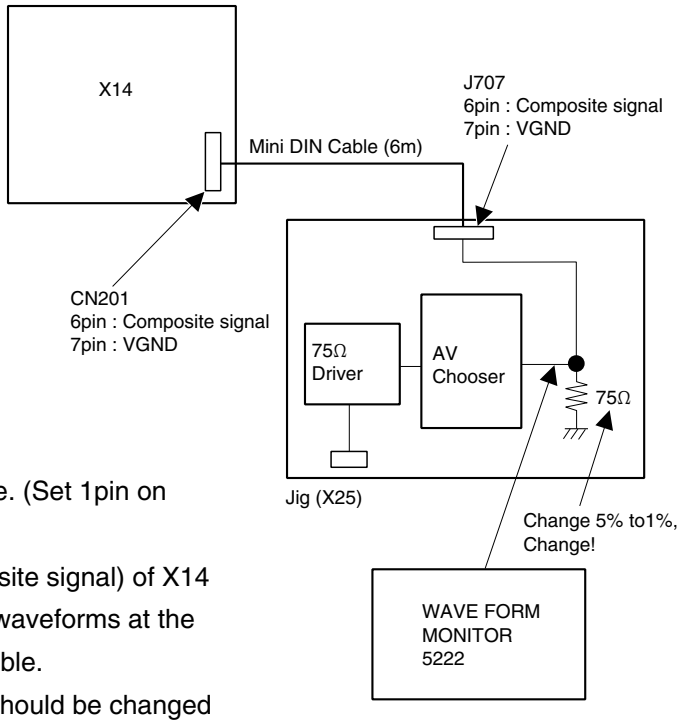


fig.1

2. DVD Image Output Level Adjustment

① Put X14 in the image quality adjustment mode. (Set 1pin on IC10 to "L". And 2 pin to "H.")

② The adjustment of image output level (composite signal) of X14 board is to be conduced while observing the waveforms at the both end of X25 75Ω resistor, via mini-DIN cable.

∗ When conducting this, the 75Ω resistor should be changed from ±5% resistor to ±1% resistor(precision resistor).

③ For observing waveforms, the Waveform Monitor 5222 (Manufactured by LEADER) shall be used.

Input the composite signal into the Waveform Monitor(loop through) and press "Line Selector" button. Then the line values are displayed on the monitor. Turn the"V.POS/REF" to "All 170."

④ Then, press the "DC Rest" button (LED should light up.) and then press "Cursor" button. When the "V.POS/REF" knob is turned in this conditoin, the waveform move up and down in vertical direction. Adjust the pedestal level to 0IRE.

⑤ Turn VR1 of X14 board and adjust so that 100% white signal will be 100IRE ± 21RE or less (one notch of the fine scale in the center).

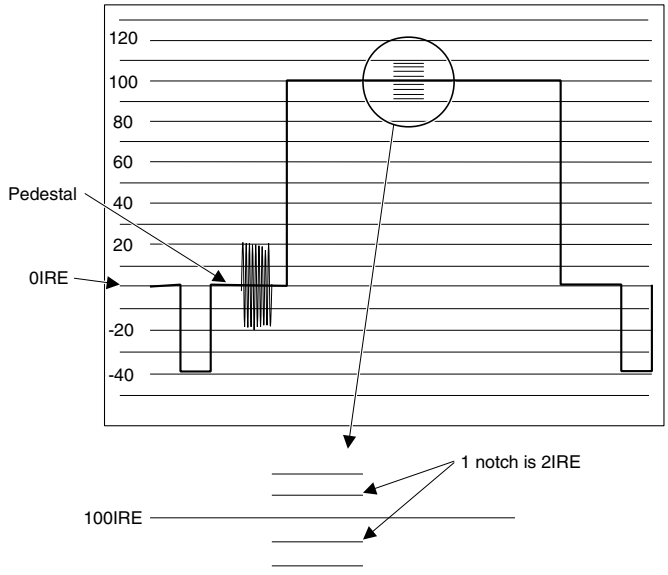


fig.2

ADJUSTMENT

X25 Unit Adjustment Specification

1. How to enter the test mode

Reset CN30 (X25) while short-circuiting it

When entering the test mode, the reception frequency display will temporarily show "111.1MHz."

2. How to release the test mode

The test mode is released when resetting. When backup is cut, the test mode will not be stored.

3. FM S-meter voltage adjustment

1. Enter the test mode.
   (Forced Wide Mode: E,M,H,C type)
2. Change the mode to "TUNER," and press Preset "3" of the monitor and display "98.1MHz."
3. Preset1 for a while longer.
4. When OK, "777.7MHz" is displayed. When NG, "00.0MHz" is displayed.
5. End.

Input setting:	FM98.1MHz 0kHz(deviation) 35dBu(ANT.input)
Monitor setting:	FM98.1MHz

4. FM Separation Voltage Adjustment (E,W,M,H,C,X type)

1. Enter test mode.
   (Forced Narrow Mode *Refer to 7.)
2. Separation. Adjust so that (L→R ,R→L) would be maximized, by turning VR50 (X25).
3. End.

Input setting:	FM98.1MHz 1kHz: ±40kHz dev(53%) Pilot: ±6.0kHz dev(8%) Selector: L or R 60dBu (ANT.input)
Monitor setting:	FM98.1MHz

5. AM seek stop level writing

1. Enter the test mode.
2. By pressing Preset 1 a while longer,SD is written.
3. When OK, "777.7MHz" is displayed. When NG, "00.0MHz" is displayed.
4. End.

***K,R type**

Input setting:	AM1000kHz 0% modulation 35dBu (ANT. input)
Monitor setting:	AM1000kHz

***With out K,R type**

Input setting:	AM999kHz 0% modulation 35dBu (ANT. input)
Monitor setting:	AM999kHz

6. K2I AUTO/MANUAL Forced Switching (E,W,M,H,C,X type)

When TI key is pressed during the Test Mode, Auto and Manual is switched.

Initial state is in Manual.

Display

AUTO:	TI light sup or Lo lights up.
MANUAL:	TI goes out or Lo goes out.

7. Forced narrow/wide switching of K21

When Preset 6 is pressed, forced Narrow/Wide is switched. Initial state is Wide.

Display

Wide :	CRS goes out.
Narrow:	CRS light up.

This display appears regardless of Auto/Manual.

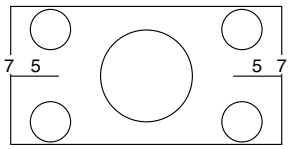
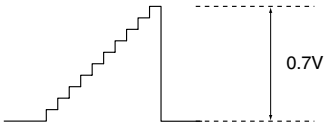
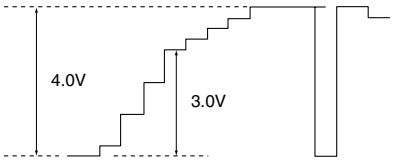
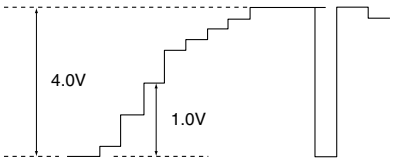
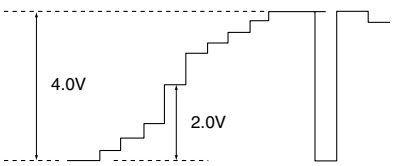
8. Audio-related

- Volume is set at 30.
- For Bass/Treble, Balance/Fader, confirm on the ups and downs by Full-boost/Full Cut and Full Front/Full Rear.
- For the bypass filter, confirm on 220Hz/through by Up/Down.
- Howeever, in case of no fader, Up/Down is stepped by each +1dB/-1dB.

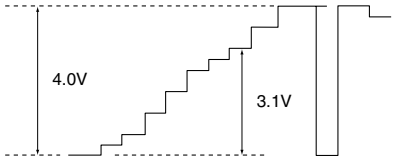
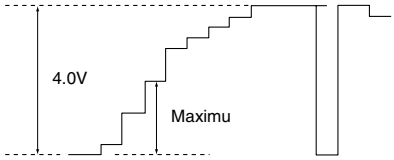
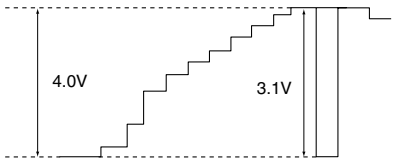
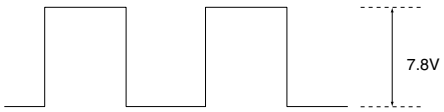
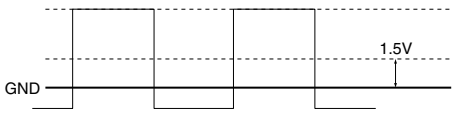
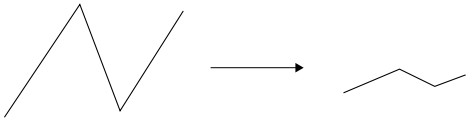
ADJUSTMENT

X35 Gamma Timing Controller Circuit Adjustment Specification

Power Supply Voltage : 14.4V

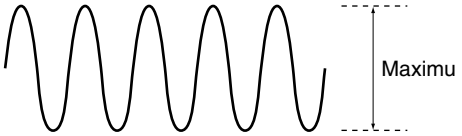
Item	Adjustment Method & Value	Condition
1. Free-run frequency adjustment	Adjust non-input HSY frequency to 15.734KHz ± 0.01KHz at ①VR70 (f0).	• Non-input Video
2. Screen display start position adjustment	• On the mono-scope screen, set right and left equal or adjust the phase difference between the HSY dropping edge and rising edge of SYNC of the timing control IC to 2.1μSec by ②VR40 (NAV). 	• Mono-scope
3. Input signal	Input composite SYNC (10step signal) to SYNC input. 	• Box side To video input
4. Gamma curve adjustment	A. Adjust SYNC-SYNC level to 4.0 ± 0.1Vp-p at ③VR91 (RGB AMP). B. Adjust to 3.5V ± 0.1V at ⑤VR96 (GMA0), ⑥VR95 (GMA2), ⑦VR94 (CONT). C. Adjust the fourth step from the pedestal to 3.0V ± 0.1V at ④VR90 (BRT). 	• Input signal Composite input (10-step signal) • Set to AC range • Oscilloscope 0.5V/DIV
	D. Adjust the third step from the pedestal 1.0V ± 0.1V at ⑤VR96 (GMA0). 	• Input signal composite input (10-step signal) • Set to AC range. • Oscilloscope 0.5V/DIV
	E. Adjust the fourth step from the pedestal to 2.0V ± 0.1V at ④VR90 (BRT). (Note) There are two points to be set to 2V. Be sure to turn to clock-wise directioin. 	• Input signal composite input (10-step signal) • Set to AC range. • Oscilloscope 0.5V/DIV

ADJUSTMENT

Item	Adjustment Method & Value	Condition
	F. Adjust the seventh step from the pedestal to 3.1V ± 0.1V at ⑥VR95 (GMA2). 	• Input signal composite input (10-step signal) • Set to AC range. • Oscilloscope 0.5V/DIV
	G. ④VR90 (BRT) Adjust the third step from the pedestal to the maximum. 	• Input signal composite input (10-step signal) • Set to AC range. • Oscilloscope 0.5V/DIV
	H. Adjust the 11 step from the pedestal to 3.1V ± 0.05V at ⑦VR94 (CONT) 	• Input signal composite input (10-step signal) • Set to AC range. • Oscilloscope 0.5V/DIV
5. VCOM amplitude adjustment ⑧VR93 (COM-AMP)	Adjust the VCOM amplitude to the following at ⑧VR93 (COM-AMP). 7.8 ± 0.1V 	• Input signal composite input (10-step signal) • Set to AC range. • 2V/DIV
6. VCOM center adjustment ⑨VR92 (COM-OUT)	Adjust the VCOM waveform to the following at⑨VR92 (COM-OUT). 1.5 ± 0.5V 	• Input signal composite input (10-step signal) • Set to DC range.
7. Flicker adjustment	Adjust the flicker (60Hz component) to the minimum at VR92. 	• Input signal composite input Gray RASTA (Easy to see level of white 30~50%) • Zoom mode • Set to AC range. • Flicker jig

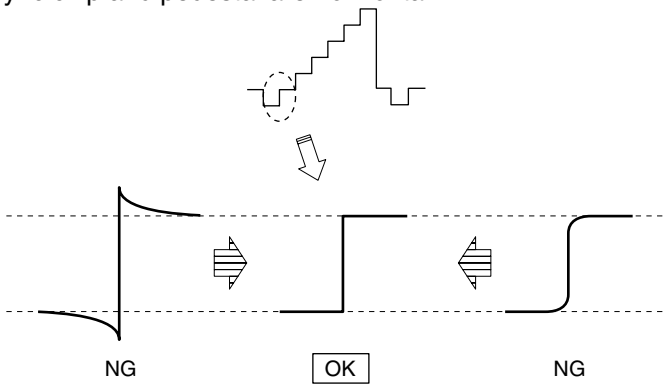
ADJUSTMENT

X86 Circuit Adjustment Specification (K, R, H type)

Item	Adjustment Method & Value	Condition
1. Adjusting image detection coil L103	1. Turn VR101 [RF-AGC] counter-clockwise as much as possible. 2. Impresss sDC2.0V to TP [IF AGC] (IC101 #36). 3. Input fo=45.75MHz Mod=1KHz AM60% Level=100dBμ to TP [IF] (CF1 #1). 4. Observe the waveform of TP [VIDEO] (IC101 #8) using an oscilloscope, and adjust L103 so that the output level is at the maximum. 	• ANT no signal • If the waveform is clipped, raise the DC voltage somewhat. • AC range
2. Adjusting audio detection coil L101	1. Turn VR101 [RF-AGC] counter-clockwise as much as possible. 2. Input fo=41.25MHz non-modulated Level=94dBμ to TP [IF] (CF1 #1). 3. Connect a voltmeter to TP [SIF] (both ends of R107) and adjust L101 to 0V ± 0.01V.	• ANT no signal
3. Adjusting S-METER VR102 4. Adjusting RF AGC VR101	1. Turn VR101 [RF-AGC] to clock-wide direction as much as possible. 2. Input RF signal 30dBμ 11CH color bar to ANT input terminal. 3. Audio (P/S-6dB) non-modulated. 4. Connect a voltmeter to TP [IC101 #12] and adjustVR102 [SMET] to 3.5V ± 0.05V. 5. Set RF signal 70dBμ and adjust VR101 [RF-AGC] so that the value of the voltmeter connected to TP [IC101 #12] is 4.6V ± 0.05V.	• SlideVR101 so that AGC will not be effective at 30dBμ. • Be sure to conduct adjustment on the S-METER before adjusting RFAGC.
5. Diversity free-run frequency VR1	1. Connect frequency counter to PIN1 of CN5 [IC2 #7]. 2. Connect Pin3 [IC2 #8] of CN5 and Pin2 [GND]. 3. Adjust VR1 [15KHz] and set to 15734Hz ± 100Hz.	• ANT no signal

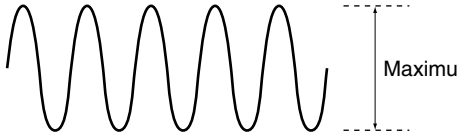
ADJUSTMENT

X86 Circuit Adjustment Specification (E, W type)

Item	Adjustment Method & Value	Condition
1. Divercity free-run frequency adjustment VR1	1. Connect frequency counter to Pin1 [IC2 #7] of CN5. 2. Connect CN53 Pin3 [IC2 #8] of CN5 and Pin2 [GND]. 3. Adjust VR1 [15KHz] to 15625Hz ± 100Hz.	• ANT no signal
2. Adjustment of audio detection coil L101	1. Input RF signal 70dBμ 9CH color bar to ANT input terminal. 2. Connect a voltmeter to TP [SIF] (both ends of R107) and adjust L101 so that 0V ± 0.01V is achieved.	• PAL B/G • P/S radio 10dB
3. Adjustment of image defection coil for diversity L103	1. Input RF signal 70dBμ 9CH stair step to ANT input terminal. 2. Observe the waveform of TP [VIDEO] (Q102 emitter R108), using an oscilloscope. Adjust L103 so that the edges of sync chip and pedestal are horizontal.  	• PAL B/G • Turn color off.

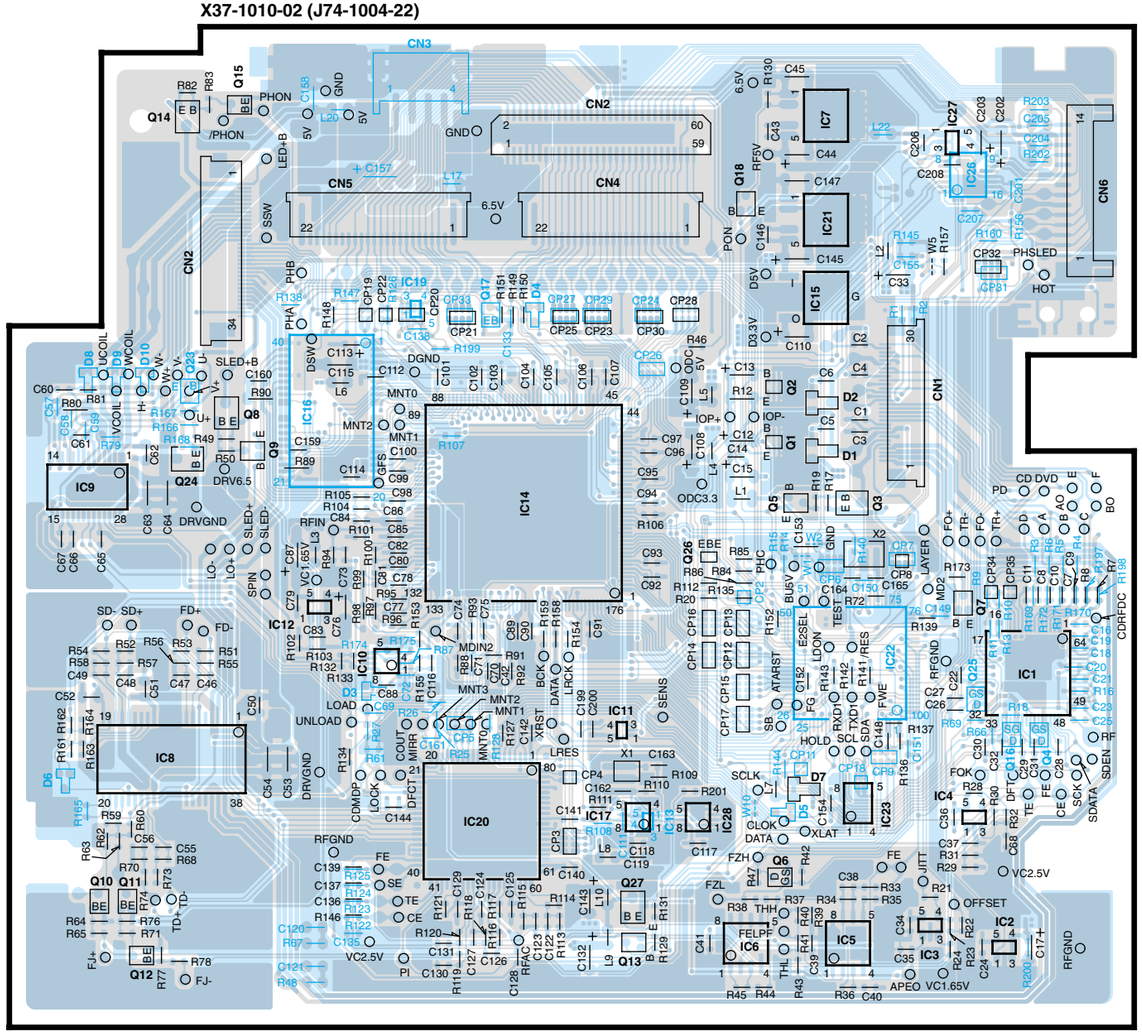
ADJUSTMENT

X86 Circuit Adjustment Specification (M, X, C type)

Item	Adjustment Method & Value	Condition
1. Adjustment of image detection coil L103	1. Turn VR101 [RF-AGC] counter-clockwise as much as possible. 2. Impress DC2.0V to TP [IF AGC] (#36 of IC101). 3. Input fo=38.0MHz Mod=1kHz AM60% Level=100dBμ toTP [IF] (#1 of CF1). 4. Observe the waveform of TP [VIDEO] (#8 of IC101) with an oscilloscope and adjust L103 so that output level will be the maximum. 	• ANT non-signal • If the waveform is clipped, raise DC voltage somewhat. • AC range
2. Adjustment of audio detection coi L101	1. Turn VR101 [RF-AGC] counter-clockwise as much as possible. 2. Input fo=31.5MHz non-modulated Level=94dBμ to TP [IF] (#1 of CF1). 3. Connect voltmeter to TP [SIF] (both ends of R107) and adjust L101 so that 0V ± 0.01V is achieved.	• ANT non-signal
3. S-METER adjustment VR102 4. RF AGC adjustment VR101	1. Turn VR101 [RF-AGC] clockwise as much as possible. 2. Input RF signal 30dBμ CHINA 9CH color bar to the ANT input terminal. 3. Audio (P/S ratio-6dB) non-modulated 4. Adjust VR102 [SMET] to 3.5V ± 0.05V, by connecting a voltmeter to CN5. 5. Set RF signal to 70dBμ and adjust VR101 [RF-AGC] so that the value of the voltmeter connected to CN3 is 4.8V ± 0.05V.	• Slide VR5 so that AGC will not be effective at 30dBμ. • Be sure to adjust S-METER before adjusting RFAGC.
5. Duversuty free-run frequency VR1	1. Connect a frequency counter to PIN 1 of CN5 [#7 of IC2]. 2. Connect Pin 3 of CN5 [#8 of IC2] and PIN2 [GND]. 3. Adjust VR1 [15kHz] and set to 15625Hz ± 100Hz	• ANT non-signal

PC BOARD (COMPONENT SIDE VIEW)

X37-1010-02 (J74-1004-22)



X37-1010-02

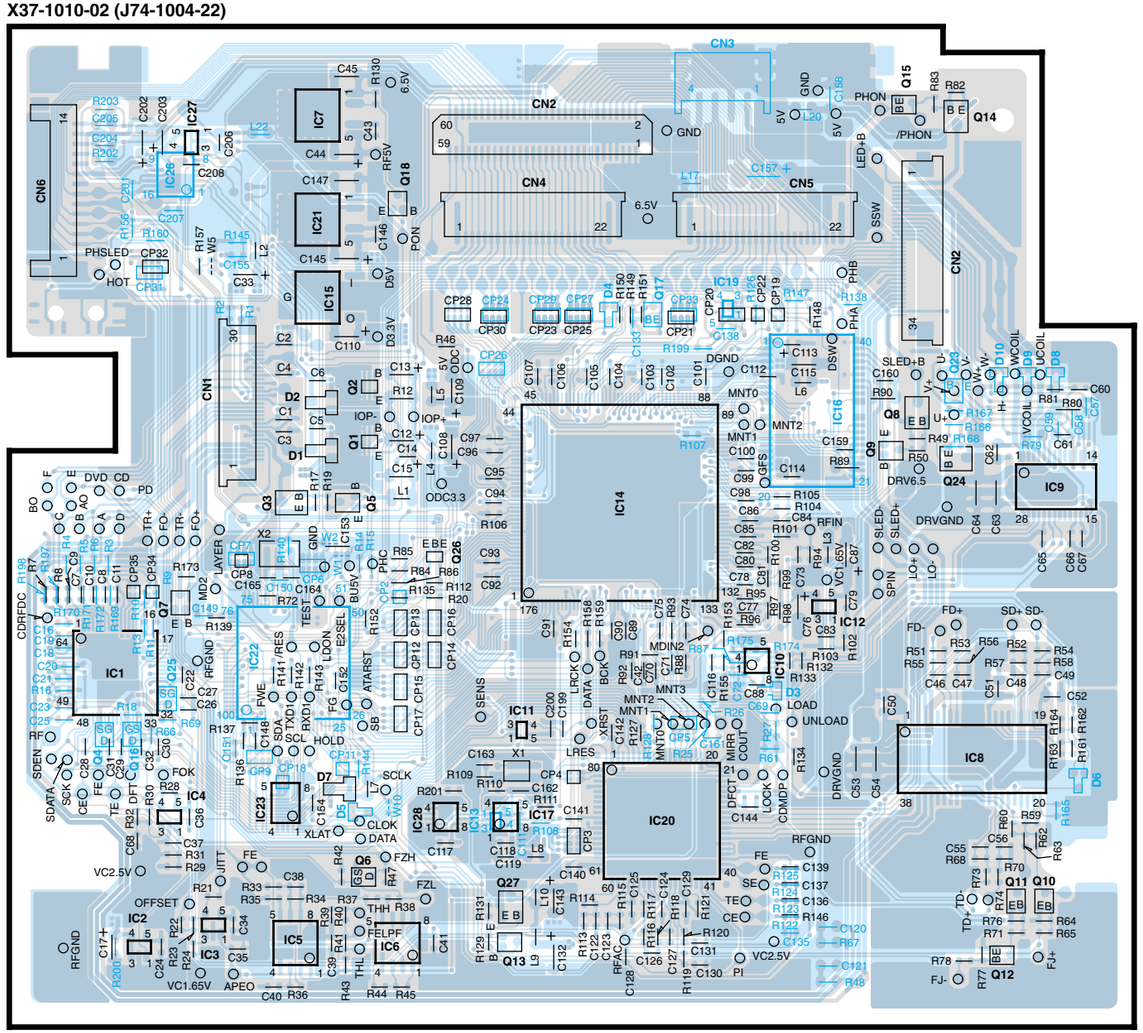
IC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23
addres	5E	6E	6E	5E	6D	6D	5A	5A	4A	5B	5C	4B	5C	4C	3D	4B	2D	3B	5C	3D	5D	5D

Q	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	23	24	25	26	27
addres	4D	3D	4D	5E	4D	5D	4E	4B	4B	5A	5A	6A	6C	2B	2B	5E	3C	3D	3B	4B	5E	4D	5C

Refer to the schematic diagram for the values of resistors and capacitors.

(FOIL SIDE VIEW)

X37-1010-02 (J74-1004-22)



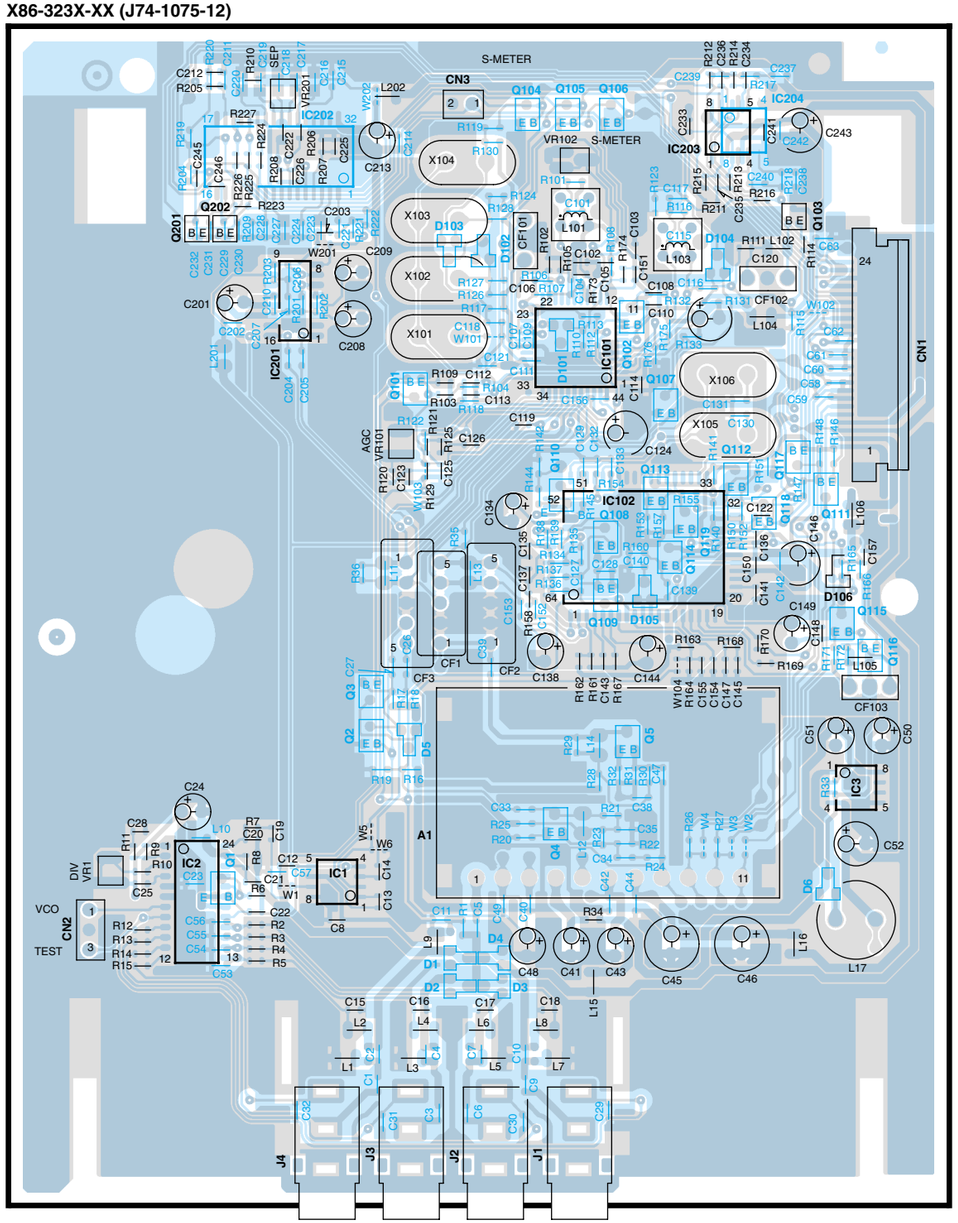
X37-1010-02

IC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23
addres	5F	6F	6G	5G	6G	6G	2G	5J	4J	5I	5H	4I	5H	4H	3G	4I	2G	3I	5H	3G	5G	5G

Q	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	23	24	25	26	27
addres	4G	3G	4G	5F	4G	5G	4F	4I	4I	5J	5J	6J	6H	2J	2I	5F	3H	3G	3I	4J	5F	4G	5H

PC BOARD (COMPONENT SIDE VIEW)

X86-323X-XX (J74-1075-12)

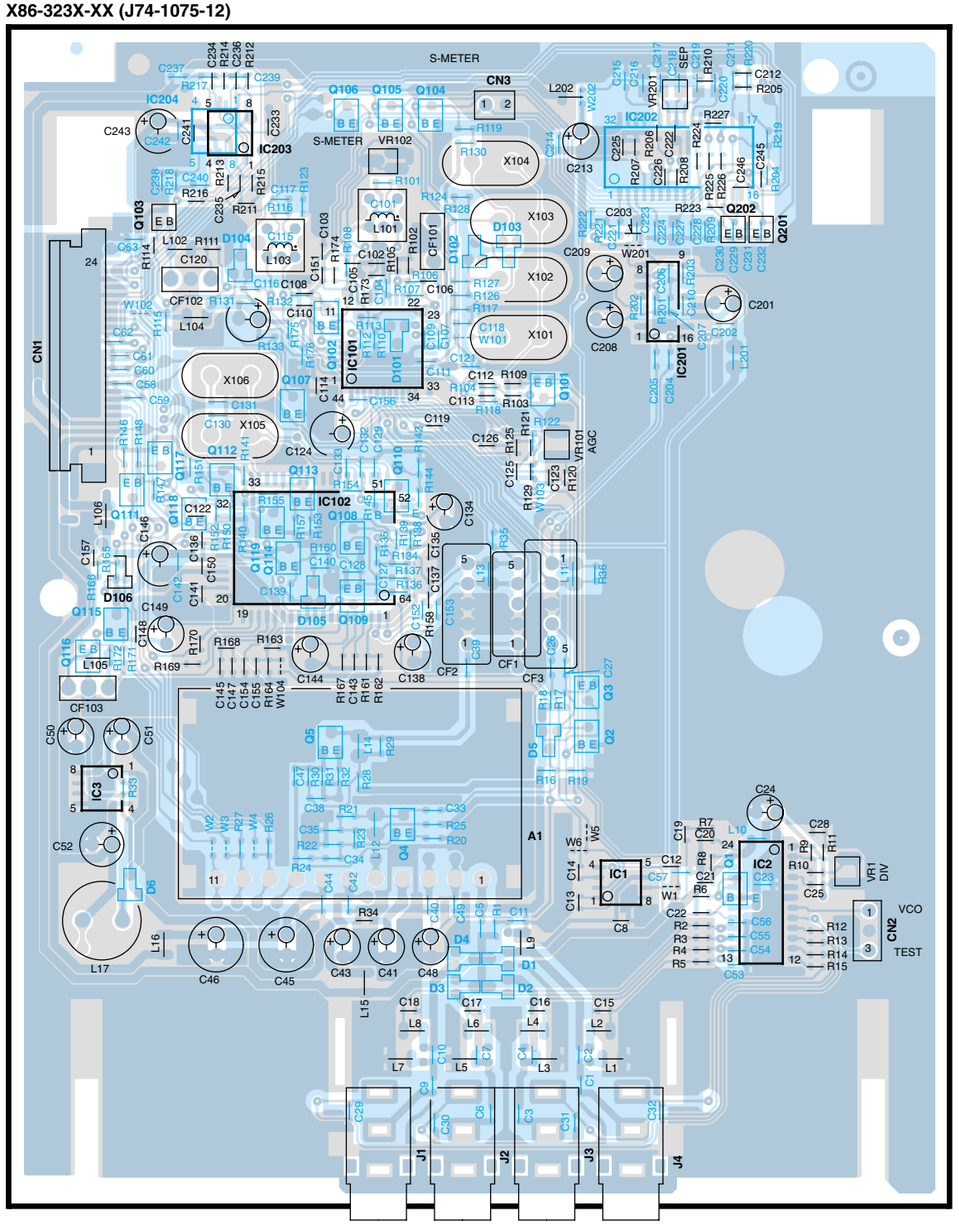


X86-323X-XX

IC	1	2	3	10	10	20	20	20	20																							
Q					1	2	1	2	3	4	1	2	3	4	5	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	20	20
addres	5	5L	5								5L	4	4	5	4	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	1	2

(FOIL SIDE VIEW)

X86-323X-XX (J74-1075-12)



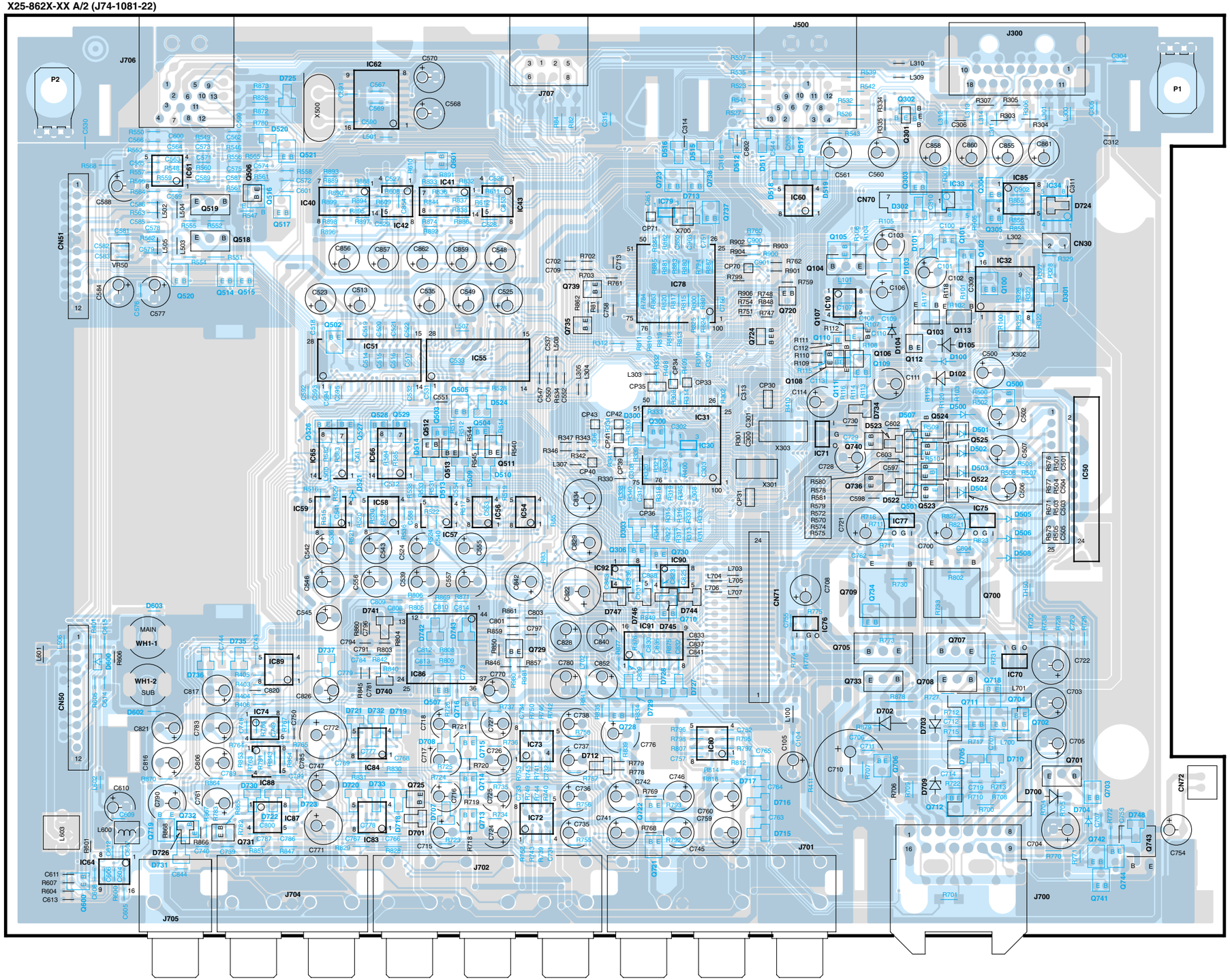
X86-323X-XX

IC	1	2	3	10	10	20	20	20	20																							
Q					1	2	1	2	3	4	1	2	3	4	5	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	20	20
addres	5	5	5								5	4	4	5	4	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	1	2

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW)

X25-862X-XX A/2 (J74-1081-22)



X25-862X-XX

IC	Q		Q	address
10		3Z	503	4W
30		4Y	504	4X
31		4Y	505	4X
32		3AA	506	2V
33		2AA	507	5W
34		2AA	511	4X
40		2W	512	4W
41		2X	513	4X
42		2W	514	3V
43		2X	515	3V
50		4AA	516	2V
51		3W	517	2W
54		4X	518	3V
55		3X	519	2V
56		4X	520	3V
57		4W	521	2W
58		4W	522	4Z
59		4W	523	4Z
60		2Z	524	4Z
61		2V	525	4Z
62		2W	526	4W
64		6V	527	4W
65		4W	528	4W
66		4W	529	4W
70		5AA	600	6U
71		4Z	601	4Z
72		6X	700	5AA
73		6X	701	6AA
74		5V	702	5AA
75		4AA	703	6AA
76		5Z	704	5AA
77		4Z	705	5Z
78		3Y	706	6Z
79		2Y	707	5AA
80		6Y	708	5AA
83		6W	709	5Z
84		6W	710	5Y
85		2AA	711	5AA
86		5X	712	6AA
87		6V	713	6X
88		6V	714	6X
89		5W	715	6X
90		5Y	716	5X
91		5Y	718	5AA
92		5Y	719	6V
	100	3AA	720	3Z
	101	3AA	721	6Y
	102	3AA	722	6Y
	103	3Z	723	2Y
	104	3Z	724	3Y
	105	3Z	725	6W
	106	3Z	728	5Y
	107	3Z	729	5X
	108	3Z	730	4Y
	109	3Z	731	6V
	110	3Z	732	6V
	111	3Z	733	5Z
	112	3Z	734	5Z
	113	3Z	735	3X
	300	4Y	736	4Z
	301	2Z	737	2Y
	302	2Z	738	2Y
	303	2Z	739	3X
	304	2AA	740	4Z
	305	2AA	741	6AA
	306	4Y	742	6AA
	500	3AA	743	6AB
	501	2W	744	6AB
	502	3W		

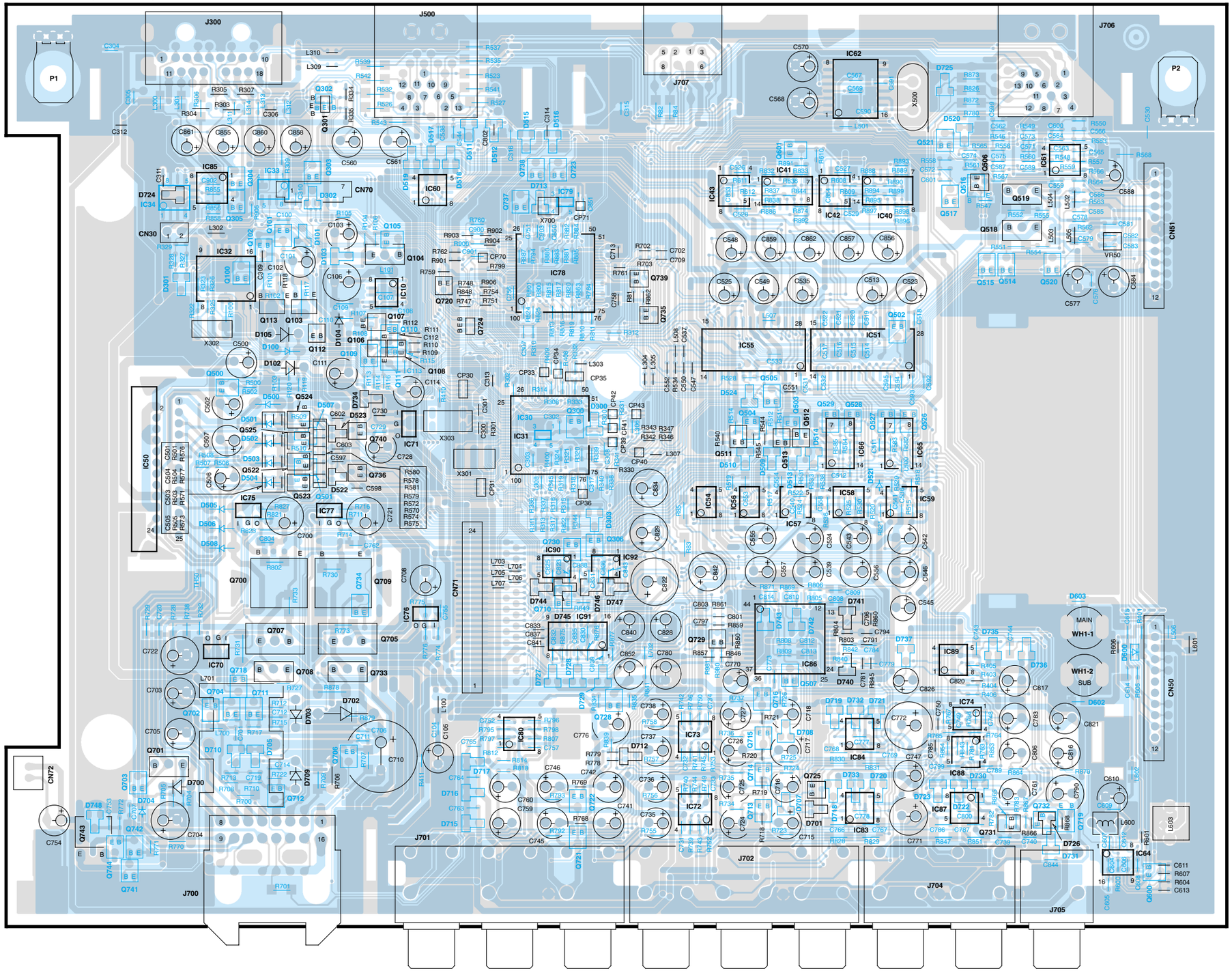
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

X25-862X-XX

IC	Q		Q	address
10		3AI	503	4AL
30		4AJ	504	4AK
31		4AJ	505	4AK
32		3AH	506	2AM
33		2AH	507	5AL
34		2AH	511	4AK
40		2AL	512	4AL
41		2AL	513	4AK
42		2AL	514	3AM
43		2AK	515	3AM
50		4AH	516	2AM
51		3AL	517	2AM
54		4AK	518	3AM
55		3AK	519	2AM
56		4AK	520	3AM
57		4AL	521	2AL
58		4AL	522	4AI
59		4AL	523	4AI
60		2AI	524	4AI
61		2AM	525	4AI
62		2AL	526	4AL
64		6AN	527	4AL
65		4AL	528	4AL
66		4AL	529	4AL
70		5AH	600	6AN
71		4AI	601	4AI
72		6AK	700	5AH
73		6AK	701	6AH
74		5AM	702	5AH
75		4AH	703	6AH
76		5AI	704	5AH
77		4AI	705	5AI
78		3AJ	706	6AI
79		2AJ	707	5AA
80		6AJ	708	5AH
83		6AL	709	5AI
84		6AL	710	5AH
85		2AH	711	5AH
86		5AL	712	6AH
87		6AM	713	6AK
88		6AM	714	6AK
89		5AM	715	6AJ
90		5AJ	716	5AK
91		5AJ	718	5AH
92		5AJ	719	6AM
	100	3AH	720	3AI
	101	3AH	721	6AJ
	102	3AH	722	6AJ
	103	3AI	723	2AJ
	104	3AI	724	3AJ
	105	3AI	725	6AL
	106	3AI	728	5AJ
	107	3AI	729	5AK
	108	3AI	730	4AJ
	109	3AI	731	6AM
	110	3AI	732	6AM
	111	3AI	733	5AI
	112	3AI	734	5AI
	113	3AH	735	3AK
	300	4AJ	736	4AI
	301	2AH	737	2AJ
	302	2AI	738	2AJ
	303	2AI	739	3AK
	304	2AH	740	4AI
	305	2AH	741	6AH
	306	4AJ	742	6AH
	500	3AH	743	6AG
	501	2AH	744	6AG
	502	3AL		

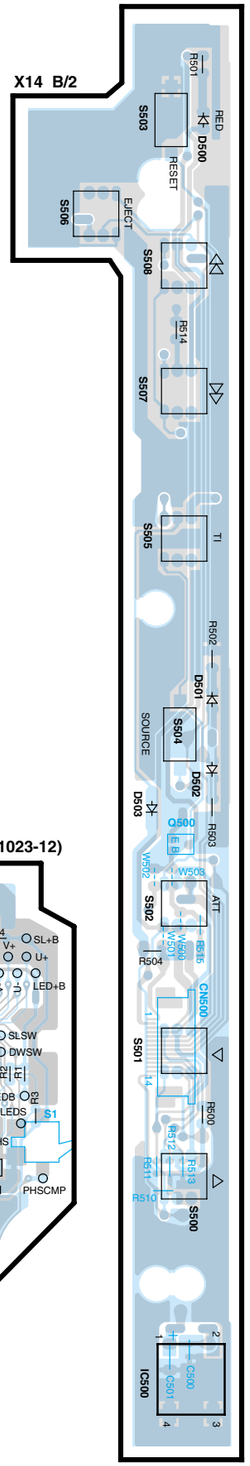
X25-862X-XX A/2 (J74-1081-22)



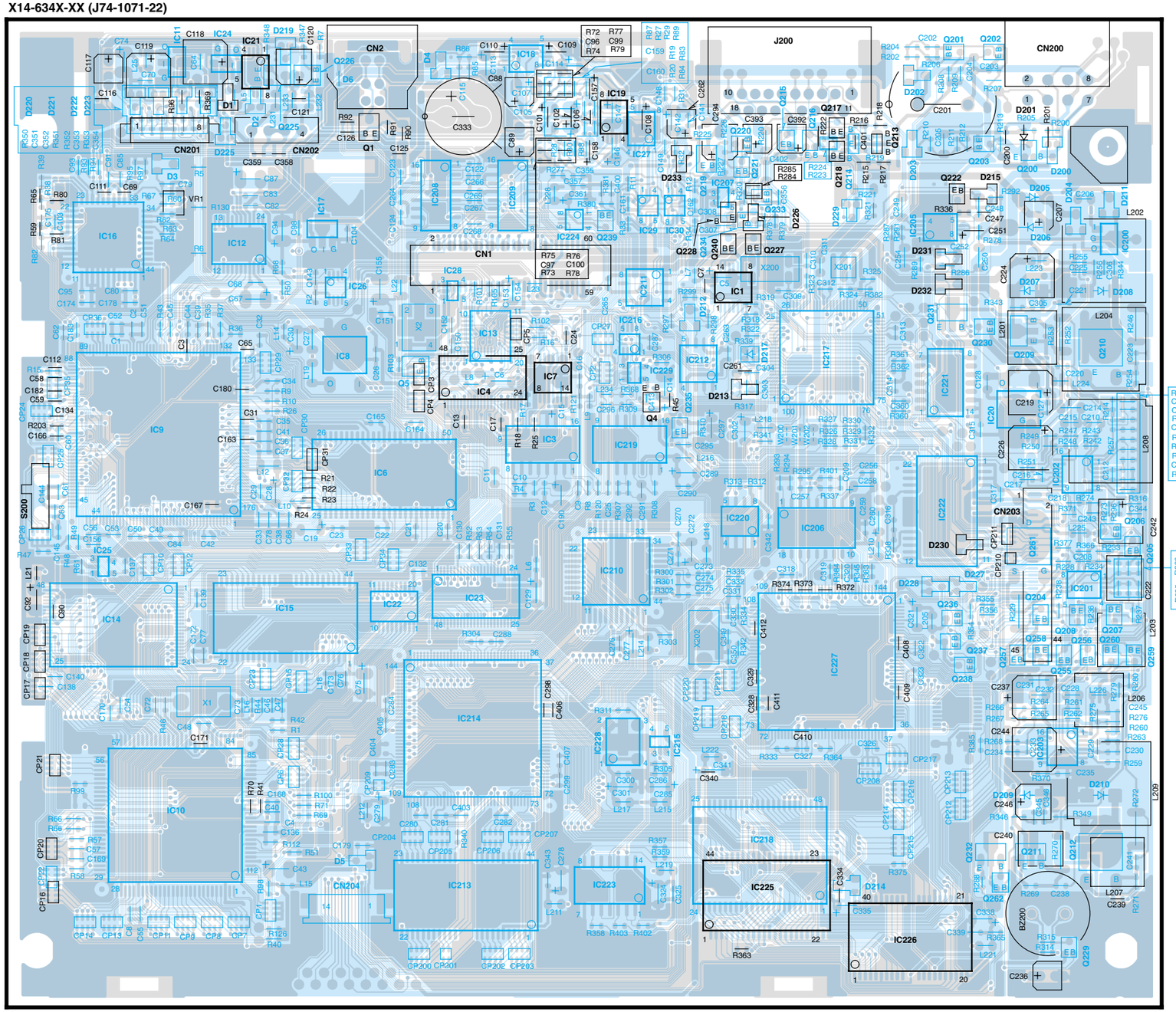
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW)

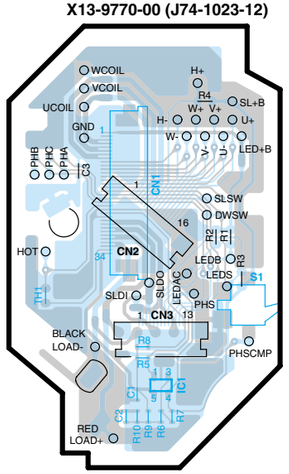
X14 B/2



X14-634X-XX (J74-1071-22)



X13-9770-00 (J74-1023-12)



X13-9770-00

IC	address
1	6AO

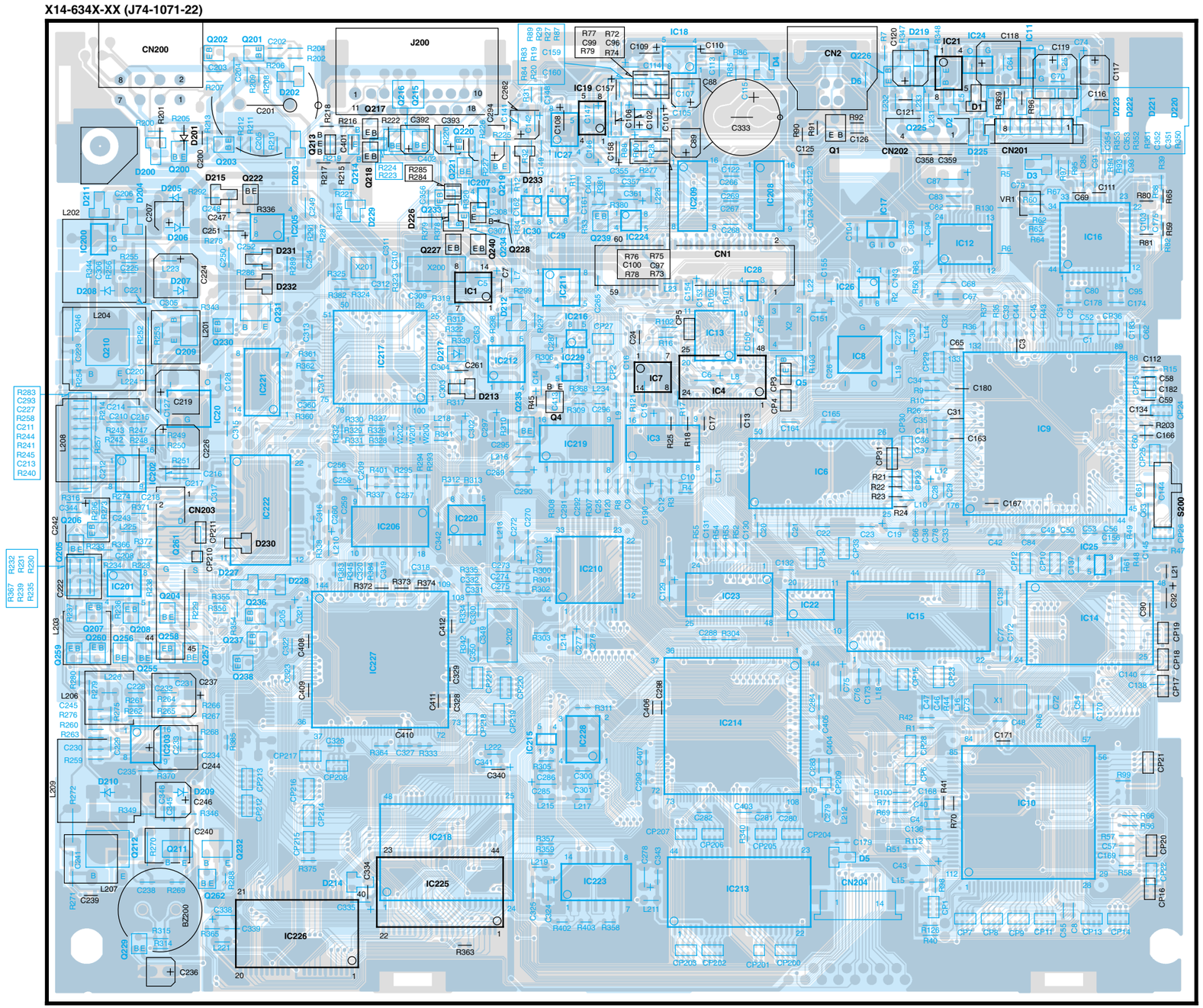
X14-634X-XX

IC		Q	
1	3AU	1	2AS
3	3AT	4	3AT
4	3AS	200	2AV
6	4AS	201	1AV
7	3AT	202	1AV
8	3AS	203	2AV
9	3AR	204	4AV
10	5AR	205	4AW
11	1AR	206	4AW
12	2AR	207	4AW
13	3AS	208	4AW
14	4AQ	209	3AV
15	4AR	210	3AW
16	2AQ	211	6AV
17	2AS	212	6AW
18	1AT	213	2AV
19	2AT	214	2AU
20	3AV	215	2AU
21	2AR	216	2AU
22	4AS	217	2AU
23	4AS	218	2AU
24	2AR	219	2AU
25	4AQ	220	2AU
26	3AS	221	2AU
27	2AT	225	2AR
28	3AS	226	2AR
29	2AT	227	2AU
30	2AT	228	2AU
200	2AW	229	6AW
201	4AW	230	3AV
202	4AW	231	3AV
203	5AW	232	2AU
205	2AV	233	2AU
206	4AU	234	3AT
207	2AU	235	3AV
208	2AS	236	4AV
209	2AT	237	5AV
210	4AT	238	5AV
211	3AT	239	2AT
212	3AU	240	2AU
213	6AS	255	5AW
214	5AS	256	5AW
215	5AT	257	5AV
216	3AT	258	5AV
217	3AU	259	5AW
218	6AU	260	5AW
219	3AT	261	4AV
220	4AU	262	6AV
221	3AV	500	5AP
222	4AV		
223	6AT		
224	2AT		
225	6AU		
226	6AV		
227	5AU		
229	3AT		
500	7AP		
228	5AT		

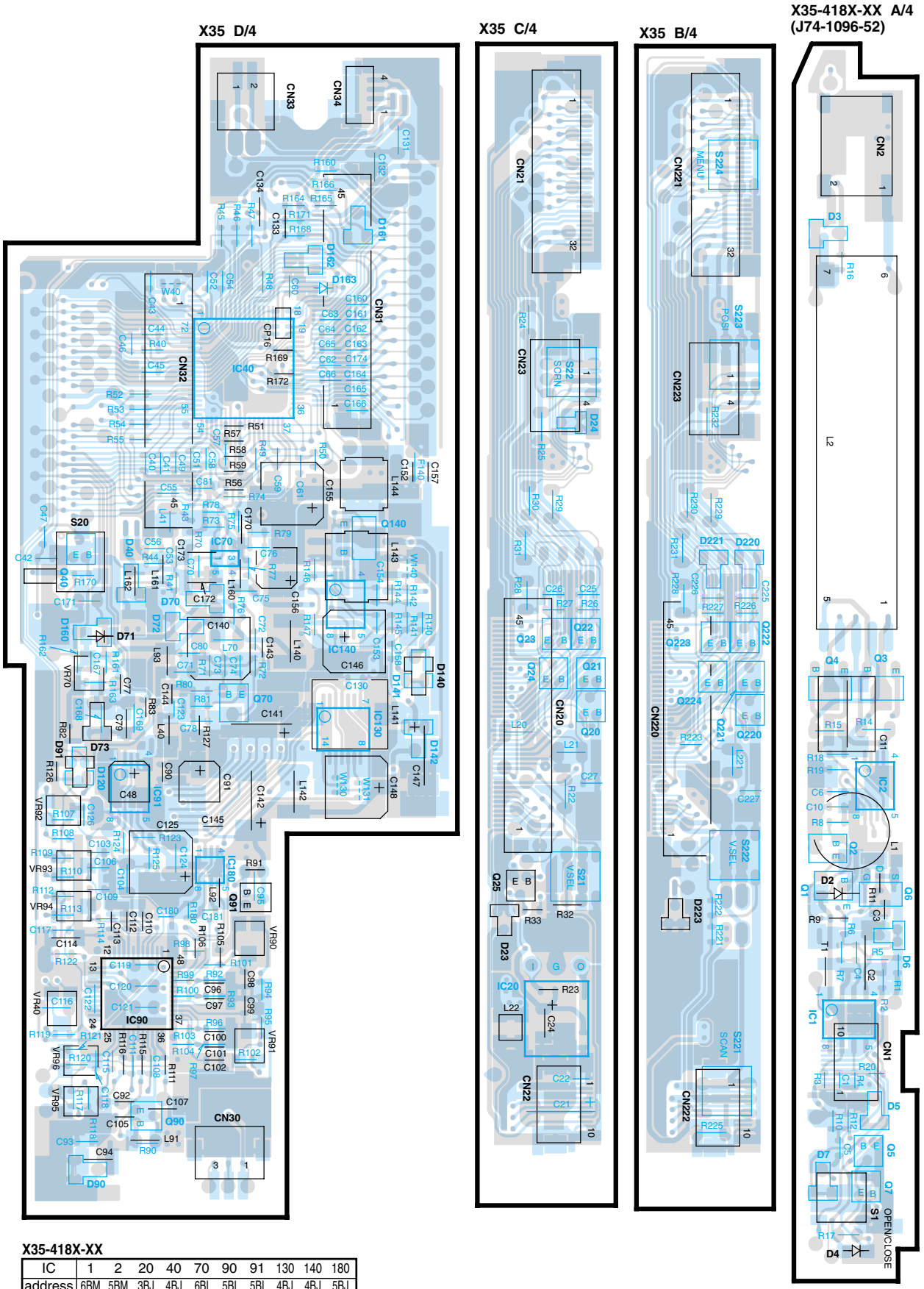
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

X14-634X-XX (J74-1071-22)



PC BOARD (COMPONENT SIDE VIEW)



X35-418X-XX

IC	1	2	20	40	70	90	91	130	140	180
address	6BM	5BM	3BJ	4BJ	6BI	5BI	5BI	4BJ	4BJ	5BJ

Q	1	2	3	4	5	6	20	21	22	23	24	25	40	70	90	91	140
address	5BM	5BM	4BM	4BM	6BM	5BM	4BL	4BL	4BL	4BK	4BK	5BK	4BI	4BJ	6BJ	5BJ	5BK

Refer to the schematic diagram for the values of resistors and capacitors.

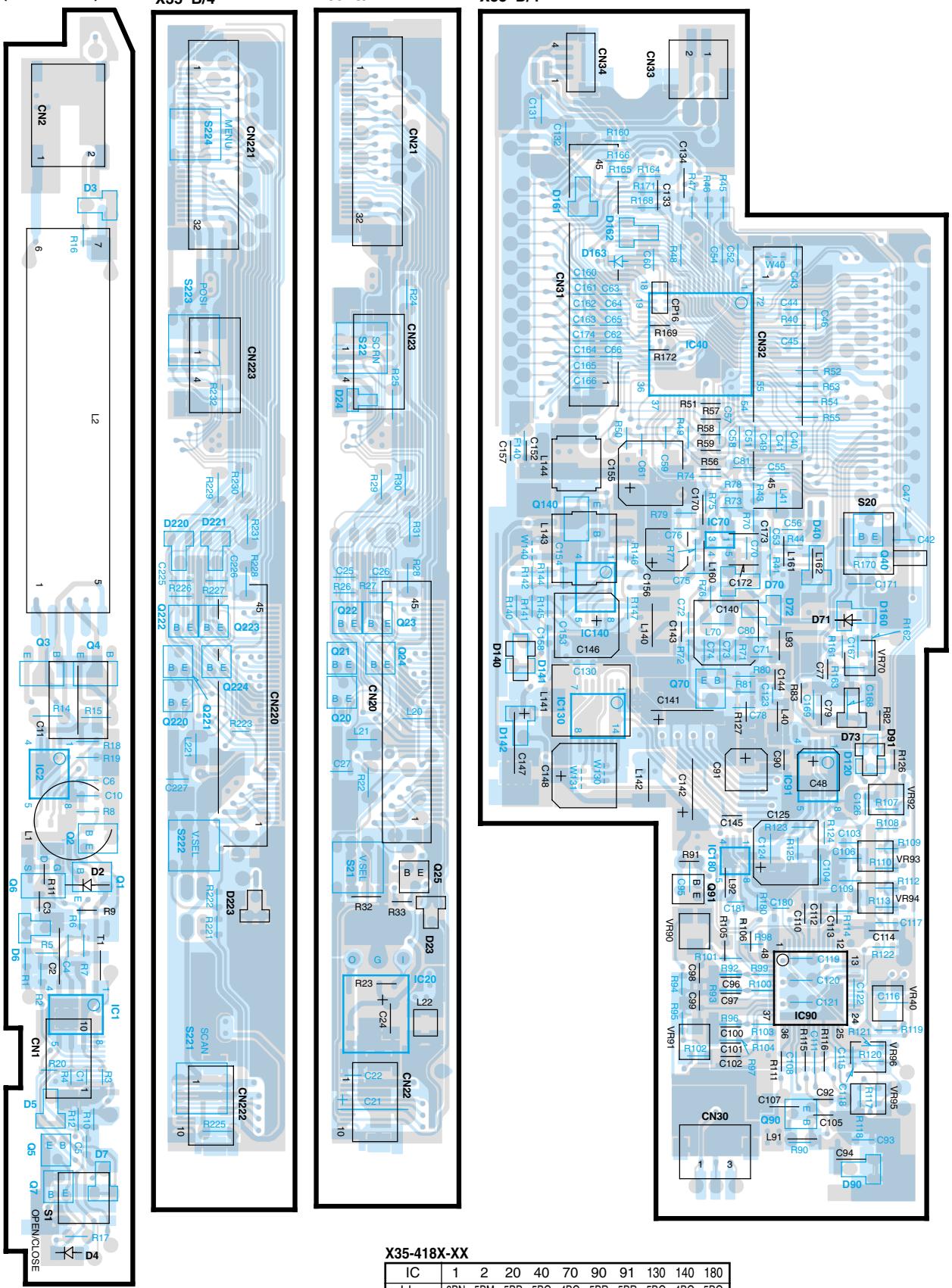
PC BOARD (FOIL SIDE VIEW)

X35-418X-XX A/4
(J74-1096-52)

X35 B/4

X35 C/4

X35 D/4



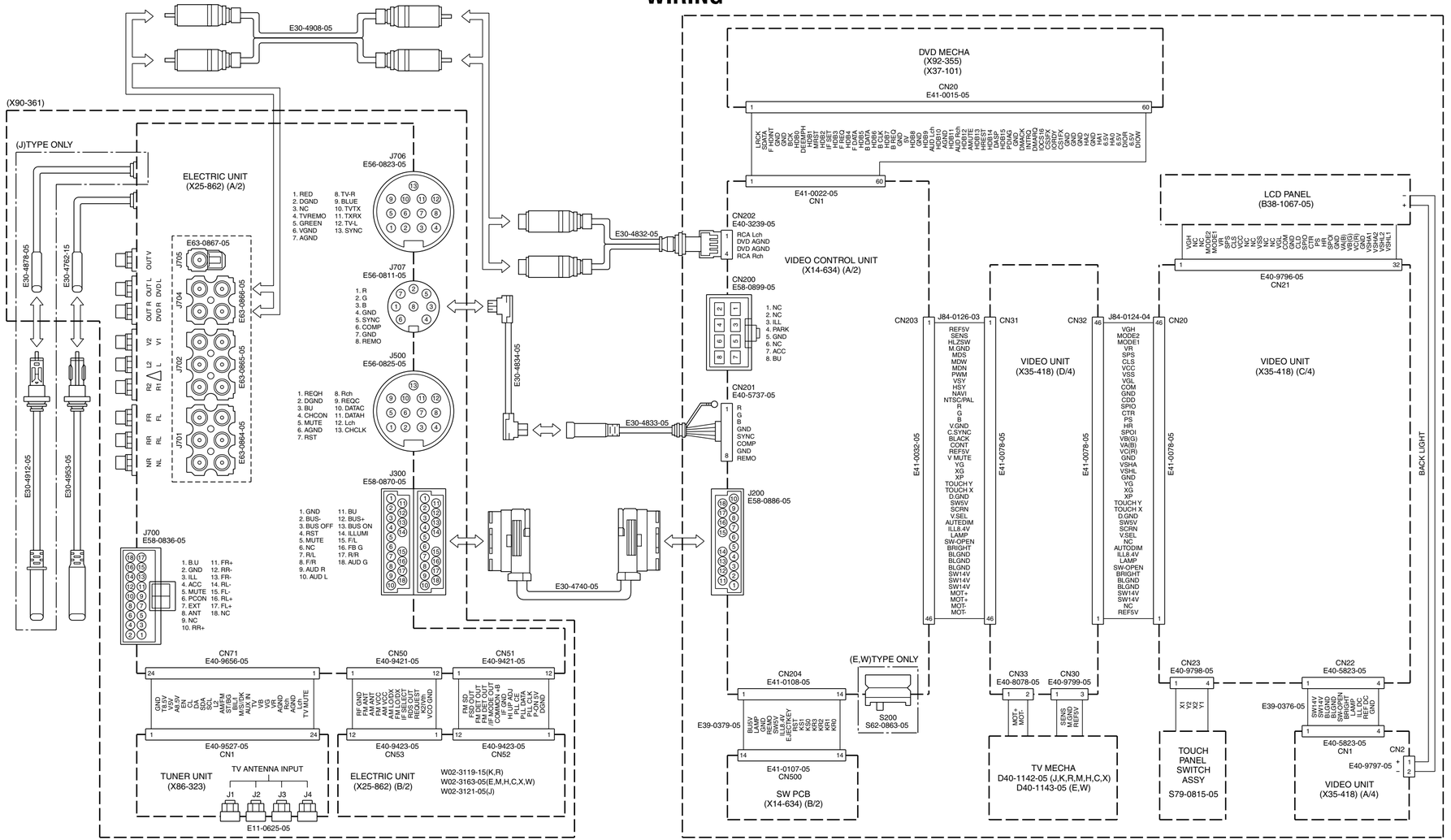
X35-418X-XX

IC	1	2	20	40	70	90	91	130	140	180
address	6BN	5BM	5BP	5BQ	4BQ	5BR	5BR	5BQ	4BQ	5BQ

Q	1	2	3	4	5	6	20	21	22	23	24	25	40	70	90	91	140
address	5BN	5BN	4BN	4BN	6BN	5BN	5BO	5BB	5BO	4BP	4BP	5BP	4BR	4BQ	5BQ	5BQ	4BP

Refer to the schematic diagram for the values of resistors and capacitors.

WIRING


(X90-361)
(J)TYPE ONLY
ELECTRIC UNIT
(X25-862) (A/2)
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E30-4878-05
E30-4762-15
E30-4912-05
E30-4953-05
E63-0867-05
E63-0866-05
E63-0865-05
E63-0864-05
J706
J704
J702
J701
OUT V
OUT L
OUT R
DVD L
DVD R
V2
V1
L2
L1
R2
R1
FR
FL
RR
RL
NR
NL
J706
E56-0823-05
1. RED
2. DGND
3. NC
4. TVREMO
5. GREEN
6. VGND
7. AGND
8. TV-R
9. BLUE
10. TVTX
11. TXRX
12. TV-L
13. SYNC
J707
E56-0811-05
1. R
2. G
3. B
4. GND
5. SYNC
6. COMP
7. GND
8. REMO
J500
E56-0825-05
1. REQH
2. DGND
3. BU
4. CHCON
5. MUTE
6. AGND
7. RST
8. Rch
9. REQC
10. DATAC
11. DATAH
12. Lch
13. CHCLK
J300
E58-0870-05
1. GND
2. BUS-
3. BUS OFF
4. RST
5. MUTE
6. NC
7. R/L
8. F/R
9. AUD R
10. AUD L
11. BU
12. BUS+
13. BUS ON
14. ILLUMI
15. F/L
16. FB G
17. R/R
18. AUD G
J700
E58-0836-05
1. B.U
2. GND
3. ILL
4. ACC
5. MUTE
6. PCON
7. EXT
8. ANT
9. NC
10. RR+
11. FR+
12. RR-
13. FR-
14. RL-
15. FL-
16. RL+
17. FL+
18. NC
E30-4832-05
E30-4834-05
E30-4833-05
E30-4740-05
DVD MECHA
(X92-355)
(X37-101)
CN20
E41-0015-05
LRCK
SDATA
FS 44.1KHZ
GND
BCK
HDB0
HDB1/DEEMPH
HDB2
HDB3
HDB4
HDB5
HDB6
HDB7
HDB8
HDB9
HDB10
HDB11
HDB12
HDB13
HDB14
HDB15
HDB16
GND
INTRQ
DMARQ
DIOR/HDMARDY
DIOW/STOP
CSEL
CS1FX
GND
GND
GND
5.1V
6.5V
6.5V
6.5V
6.5V
E41-0022-05
CN1
CN202
E40-3239-05
RCA Lch
DVD AGND
DVD AGND
RCA Rch
VIDEO CONTROL UNIT
(X14-634) (A/2)
CN200
E58-0899-05
1. NC
2. NC
3. ILL
4. PARK
5. GND
6. NC
7. ACC
8. BU
CN201
E40-5737-05
R
G
B
GND
SYNC
COMP
GND
REMO
J200
E58-0886-05
CN203
J84-0126-03
CN31
REF5V
SENS
HLZSW
M.GND
MDS
MDW
MDN
PWM
VSY
HSY
NAVI
NTSC/PAL
R
G
B
V.GND
C.SYNC
BLACK
CONT
REF5V
V MUTE
YG
XG
XP
TOUCH Y
TOUCH X
D.GND
SW5V
SCRN
VSEL
AUTEDIM
ILL8.4V
LAMP
SW-OPEN
BRIGHT
BLGND
BLGND
BLGND
SW14V
SW14V
SW14V
MOT+
MOT+
MOT-
MOT-
E41-0032-05
E41-0078-05
VIDEO UNIT
(X35-418) (D/4)
CN32
J84-0124-04
CN20
VGH
MODE2
MODE1
VR
SPS
CLS
VCC
VSS
VGL
COM
GND
CDD
SPIO
CTR
PS
HR
SPOI
VB(G)
VA(B)
VC(R)
GND
VSHA
VSHL
GND
YG
XG
XP
TOUCH Y
TOUCH X
D.GND
SW5V
SCRN
VSEL
NC
AUTODIM
ILL8.4V
LAMP
SW-OPEN
BRIGHT
BLGND
BLGND
SW14V
SW14V
NC
REF5V
VIDEO UNIT
(X35-418) (C/4)
LCD PANEL
(B38-1067-05)
VGH
NC
MODE2
MODE1
VR
SPS
CLS
VCC
VSS
VGL
COM
GND
CDD
CTR
HR
SPOI
VB(G)
VA(B)
VC(R)
VSHA1
VSHA2
VSHL2
VSHL1
E40-9796-05
CN21
BACK LIGHT
CN71
E40-9656-05
GND
TSJV
ASV
EN
CL
DA
SCL
L2
AMUTE
ST/BG
BU MUTE
MS/STK
AUX IN
TV
VB
VR
AGND
Rch
AGND
Lch
TV MUTE
E40-9527-05
CN1
CN50
E40-9421-05
RF GND
FM ANT
AM ANT
FM VCC
AM VCC
AM LOOP
IF SELECT
RDS OUT
RDS CLK
VCO GND
E40-9423-05
CN53
CN51
E40-9421-05
FM IND
FSD OUT
FM DET OUT
IFC MODE OUT
CRAMP/AFB
IF GND
PLL VCO
PLL CE
PLL DATA
PLL CLK
P-ON 5V
DGND
E40-9423-05
CN52
TUNER UNIT
(X86-323)
TV ANTENNA INPUT
J1
J2
J3
J4
E11-0625-05
ELECTRIC UNIT
(X25-862) (B/2)
W02-3119-15(K,R)
W02-3163-05(E,M,H,C,X,W)
W02-3121-05(J)
CN204
E41-0108-05
(E,W)TYPE ONLY
S200
S62-0863-05
E39-0379-05
BU5V
ILL
GND
GND
SW5V
ILL14V
EJECTKEY
KS1
KS0
KR3
KR2
KR1
KR0
E41-0107-05
CN500
SW PCB
(X14-634) (B/2)
CN33
E40-8078-05
CN30
E40-9799-05
MOT+
MOT-
SENS
MSGND
REF5V
TV MECHA
D40-1142-05 (J,K,R,M,H,C,X)
D40-1143-05 (E,W)
CN23
E40-9798-05
X1
X2
Y1
Y2
TOUCH
PANEL
SWITCH
ASSY
S79-0815-05
CN22
E40-5823-05
E39-0376-05
SW14V
SW14V
BLGND
BLGND
BRIGHT
LAMP
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CN2
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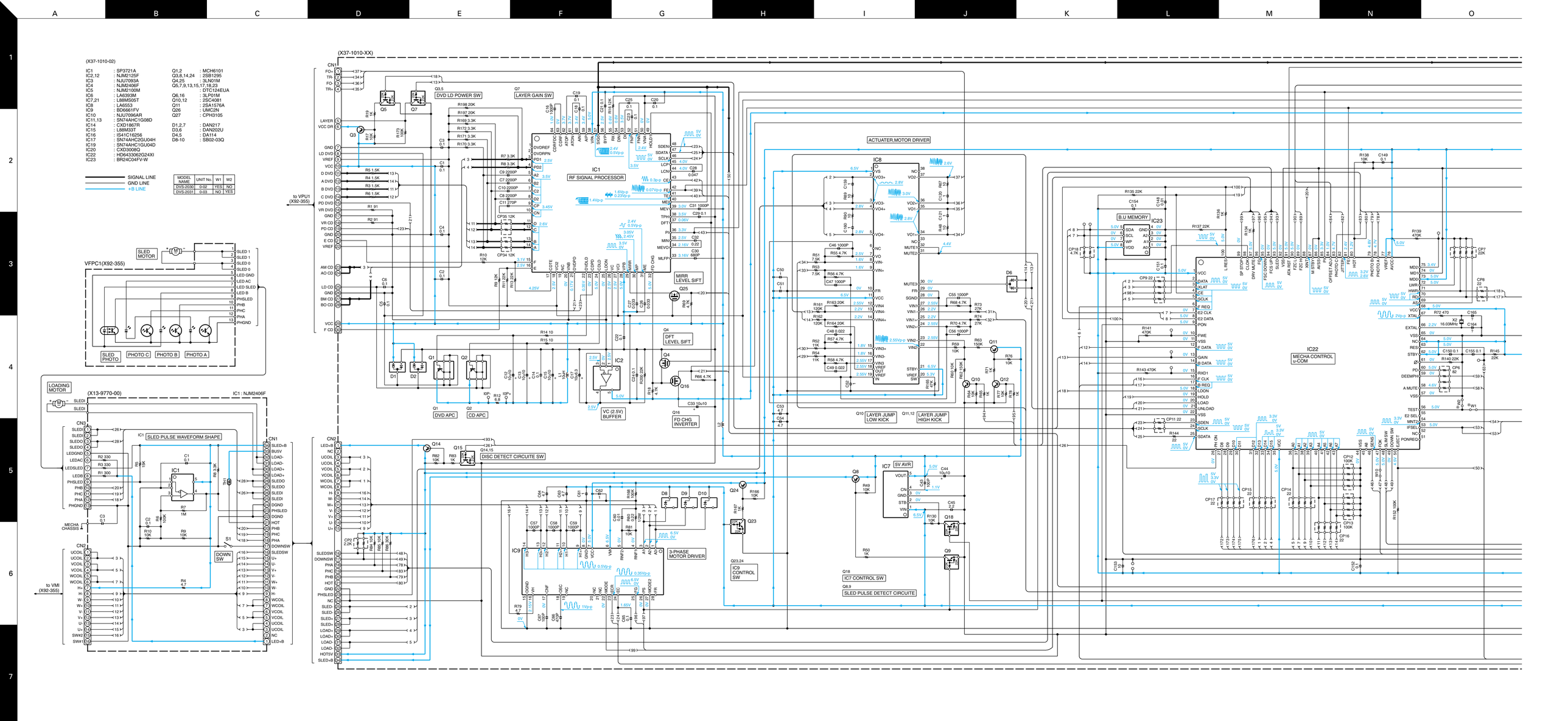
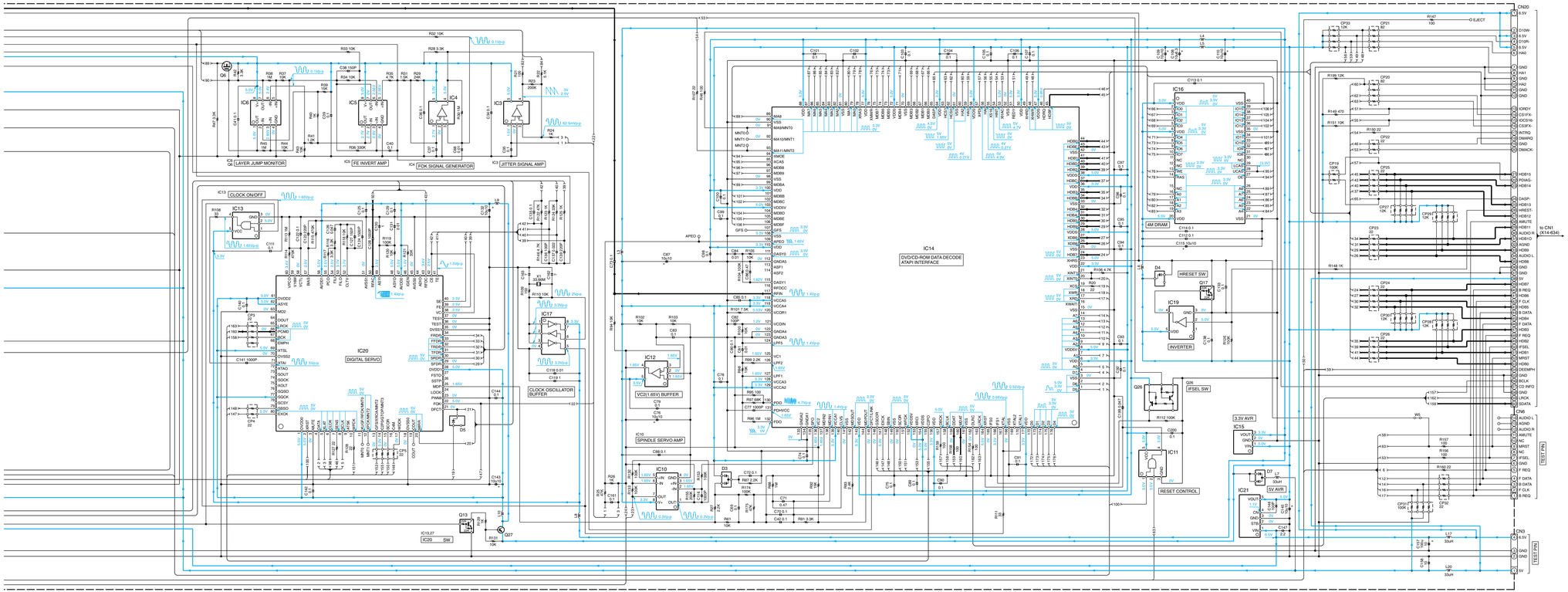
(X35-418) (A/4)


(X37-1010-02)
IC1 : SP3721A
IC2,12 : NJM2125F
IC3 : NJU7093A
IC4 : NJM2406F
IC5 : NJM2100M
IC6 : LA6393M
IC7,21 : LB8MS05T
IC8 : LA6553
IC9 : BD6661FV
IC10 : NJU7096AR
IC11,13 : SN74AHC1G08D
IC14 : CXD1867R
IC15 : LB8M33T
IC16 : IS41C16256
IC17 : SN74AHC2GU04H
IC19 : SN74AHC1GU04D
IC20 : CXD3008Q
IC22 : HD6433062G24XI
IC23 : BR24C04FV-W
Q1,2 : MCH6101
Q3,8,14,24 : 2SB1295
Q4,25 : 3LN01M
Q5,7,9,13,15,17,18,23 : DTC124EUA
Q6,16 : 3LP01M
Q10,12 : 2SC4081
Q11 : 2SA1576A
Q26 : UMC2N
Q27 : CPH3105
D1,2,7 : DAN217
D3,6 : DAN202U
D4,5 : DA114
D8-10 : SB02-03Q
SIGNAL LINE
GND LINE
+B LINE
MODEL NAME | UNIT No. | W1 | W2
DVS-2030 | 0-02 | YES | NO
DVS-2031 | 0-03 | NO | YES
(X37-1010-XX)
CN1
to VPU1 (X92-355)
DVD LD POWER SW
LAYER GAIN SW
IC1
RF SIGNAL PROCESSOR
ACTUATOR,MOTOR DRIVER
IC8
MIRR LEVEL SIFT
DFT LEVEL SIFT
FD CHG INVERTER
VC (2.5V) BUFFER
DVD APC
CD APC
DISC DETECT CIRCUITE SW
IC2
Q1
Q2
D1
D2
LAYER JUMP LOW KICK
LAYER JUMP HIGH KICK
IC7 5V AVR
IC9 3-PHASE MOTOR DRIVER
IC9 CONTROL SW
IC7 CONTROL SW
SLED PULSE DETECT CIRCUITE
B.U MEMORY IC23
IC22 MECHA CONTROL u-COM
SLED MOTOR
VFPC1(X92-355)
SLED PHOTO
PHOTO C
PHOTO B
PHOTO A
LOADING MOTOR
(X13-9770-00)
IC1 : NJM2406F
SLED PULSE WAVEFORM SHAPE
CN3
CN2
CN8
DOWN SW
to VMI (X92-355)
MECHA CHASSIS

P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI


IC6 LAYER JUMP MONITOR
IC5 FE INVERT AMP
IC4 FOK SIGNAL GENERATOR
IC3 JITTER SIGNAL AMP
IC13 CLOCK ON/OFF
IC20 DIGITAL SERVO
IC17 CLOCK OSCILLATOR BUFFER
IC14 DVD/CD-ROM DATA DECODE ATAPI INTERFACE
IC12 VCI(1.65V) BUFFER
IC10 SPINDLE SERVO AMP
IC16 4M DRAM
IC15 3.3V AVR
IC21 5V AVR
IC11 RESET CONTROL
IC13,27 IC20 SW
HRESET SW
INVERTER
IFSEL SW
EJECT
to CN1 (A14-6534)
TEST PIN
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KVT-910DVD/920DVD/930DVD/ 940DVD/960DVD

KENWOOD

AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC

1 2 3 4 5 6 7

2SB1565

DTA123JK
DTA144EUA
DTB123YK
DTC114YUA
DTC143TUA
2SA1576A
2SB1295

2SC2412K
2SC2714
2SD2114K

2SB1188

FMG2

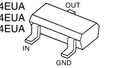
2SB1184

2SB1277
2SB1443

FMA2

2SA1037K
2SC2411K
2SC4081

DTA114EUA
DTA124EUA
DTC114EUA
DTC124EUA
DTC144EUA



UMC2N

HA12187FP
M5222FP
M5280FP
NJM4565M-TE2
TC7W00FU

DAN202U

DAP202U
DA204U

MA716

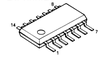
RD6.8M

DA227

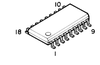
TC9246F

UPD72042BGT

BA3129F
BU4066BF



BA3830F



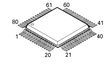
BR24C01AF-W

PST9137NR

PST9130NR

TC4W66F

CXD3008Q



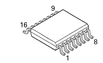
M5237ML

NJM2100M
NJM4580V
TC7WH123FU

TC7W02F
TC7W04FU

NJM2107F

TDA7479D



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⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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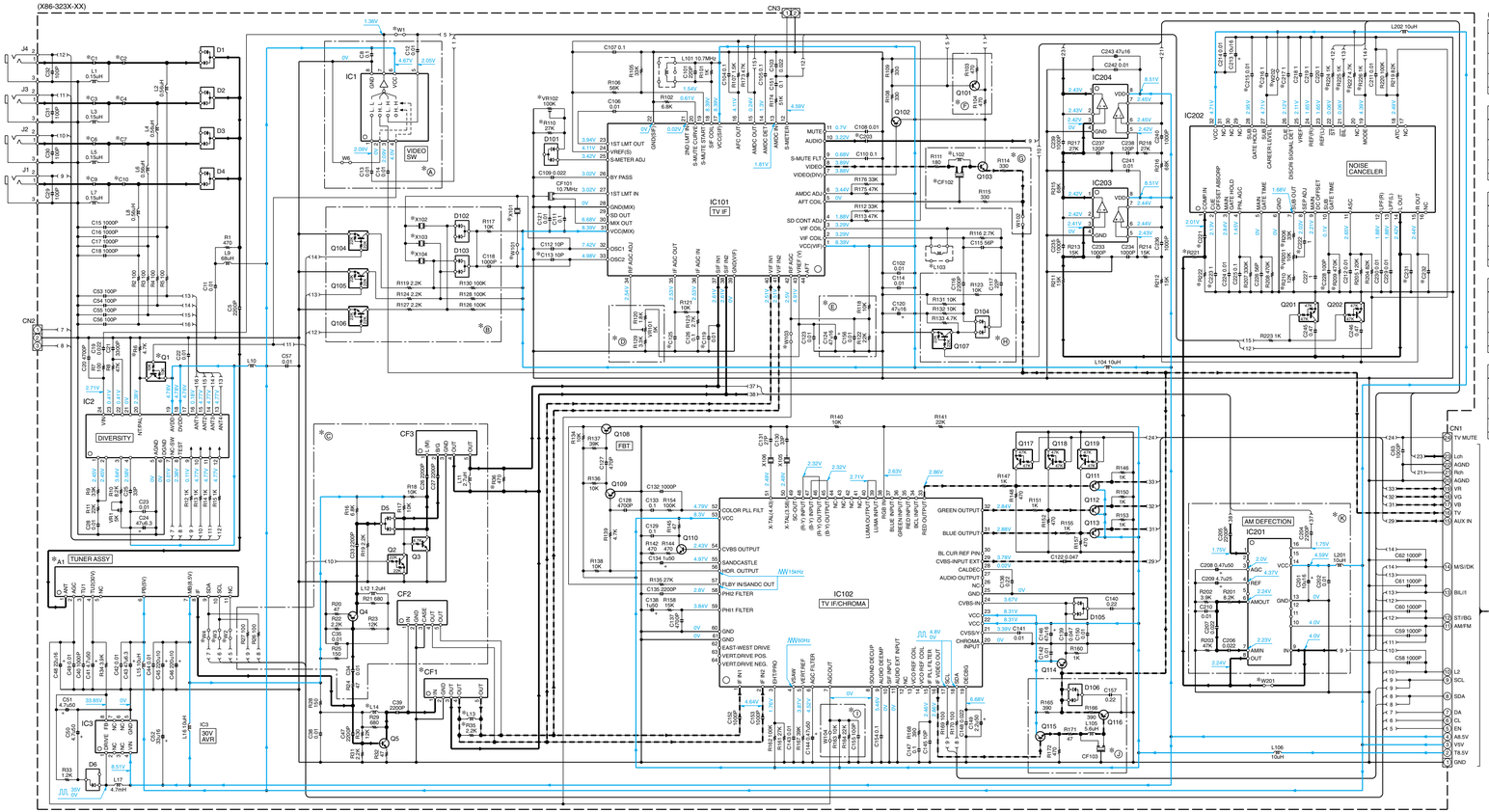
(X86-323X-XX)



MODEL NAME	UNIT No.	Ⓐ	Ⓑ	Ⓕ	Ⓗ	Ⓘ	Ⓚ	Ⓛ	Ⓜ	Ⓝ	Ⓡ
KVT-910DVD(K) KVT-910DVD(R) KVT-930DVD(K)	0-10			NO				NO		NO	YES
KVT-930DVD(M) KVT-940DVD(K) KVT-960DVD(C)	0-21			NO				YES		YES	
KVT-920DVD(VE) KVT-930DVD(W)	2-71			YES				YES		NO	
VD-DTM(J)	0-01			NO				NO		YES	

MODEL NAME	C1-4,6, 7,8,10	C113	C119	C125	C203	C215-217 222,223,228	C221	C231, 232
KVT-910DVD(K) KVT-910DVD(R) KVT-930DVD(K)	100P	NO	YES	0.047	0.47	NO	0.47	0.022
KVT-930DVD(M) KVT-940DVD(K) KVT-960DVD(C)	100P	YES	YES	0.047	0.47	NO	0.47	0.015
KVT-920DVD(VE) KVT-930DVD(W)	100P	YES	NO	YES	0.47	0.22	NO	0.1	0.015
VD-DTM(J)	68P	NO	YES	0.047	0.47	YES	0.47	0.022

MODEL NAME	R6	R35, 36	R110	R206,209, 210,224-226	R221	R222	R227	W1-4, 103,201	W101	W202
KVT-910DVD(K) KVT-910DVD(R) KVT-930DVD(K)	NO	NO	NO	NO	22K	120K	YES	YES	NO	YES
KVT-930DVD(M) KVT-940DVD(K) KVT-960DVD(C)	YES	YES	NO	NO	68K	47K	YES	YES	NO	YES
KVT-920DVD(VE) KVT-930DVD(W)	YES	NO	YES	NO	68K	47K	YES	NO	NO	YES
VD-DTM(J)	NO	NO	NO	YES	22K	120K	NO	YES	YES	NO

MODEL NAME	VR102	VR201	L13	L14	L102	L103	Q1	A1
KVT-910DVD(K) KVT-910DVD(R) KVT-930DVD(K)	YES	NO	1uH	1uH	10uH	45.75uH	NO	WG2-3127-05
KVT-930DVD(M) KVT-940DVD(K) KVT-960DVD(C)	YES	NO	2.2uH	1.5uH	8.2uH	38.89uH	NO	WG2-3157-05
KVT-920DVD(VE) KVT-930DVD(W)	NO	NO	1.2uH	1uH	NO	38.89uH	YES	WG2-3191-05
VD-DTM(J)	YES	YES	1uH	1uH	15uH	58.75uH	NO	WG2-3107-05

MODEL NAME	X101	X102	X103	X104	CF1	CF102
KVT-910DVD(K) KVT-910DVD(R) KVT-930DVD(K)	30.55MHz	NO	NO	NO	L72-0706-05	L72-0707-05
KVT-930DVD(M) KVT-940DVD(K) KVT-960DVD(C)	NO	21.8MHz	21.3MHz	20.8MHz	L72-0771-05	L70-0751-05
KVT-920DVD(VE) KVT-930DVD(W)	NO	22.7MHz	22.25MHz	21.7MHz	NO	NO
VD-DTM(J)	43.55MHz	NO	NO	NO	L72-0769-05	L72-0707-05

VIDEO SIGNAL LINE
SIGNAL LINE
GND LINE
+B LINE

X25-A/2 CN71 2/4 5 A

IC1 : BA7652AF
IC2 : CM0018AM
IC3 : BA6161F
IC101 : AN5186FB
IC102 : TDA8842H
IC201 : TDA9830T
IC202 : AN5281SC
IC203,204 : NJM4565M-TE2

Q1 : DTA114EUA
Q2,104-107 : DTC124EUA
Q3 : DTC143TUA
Q4,5 : 2SC2714(Y)
Q101-103,108-115 : 2SC4081
Q116 : 2SA1576A
Q117-119,201,202 : DTC144EUA

D1-4 : RN739F
D5,104 : DAN235U
D6 : 1SS250
D101,105,106 : DA204U
D102,103 : DAP236U

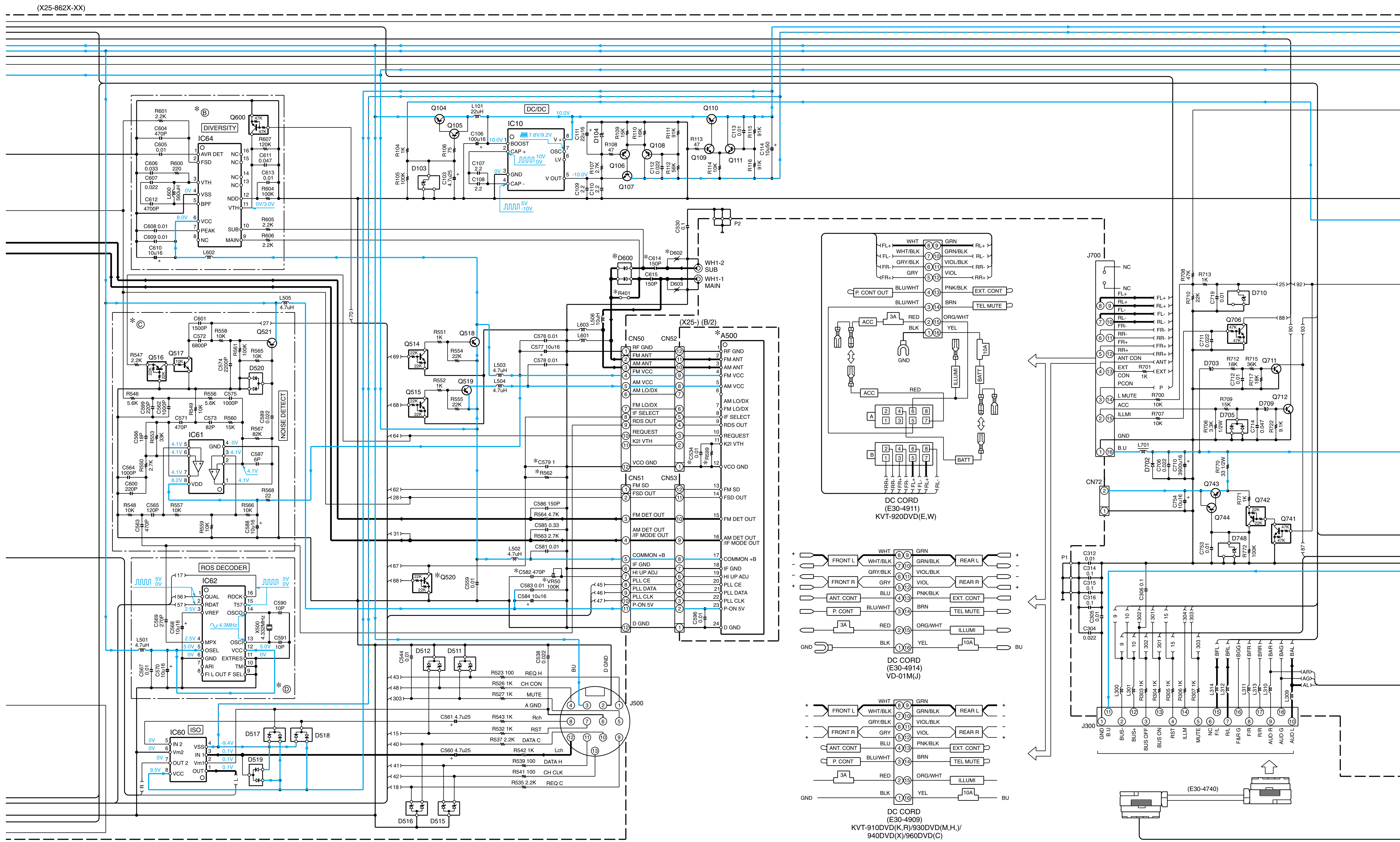
KVT-910DVD/920DVD/930DVD/940DVD/960DVD

KENWOOD

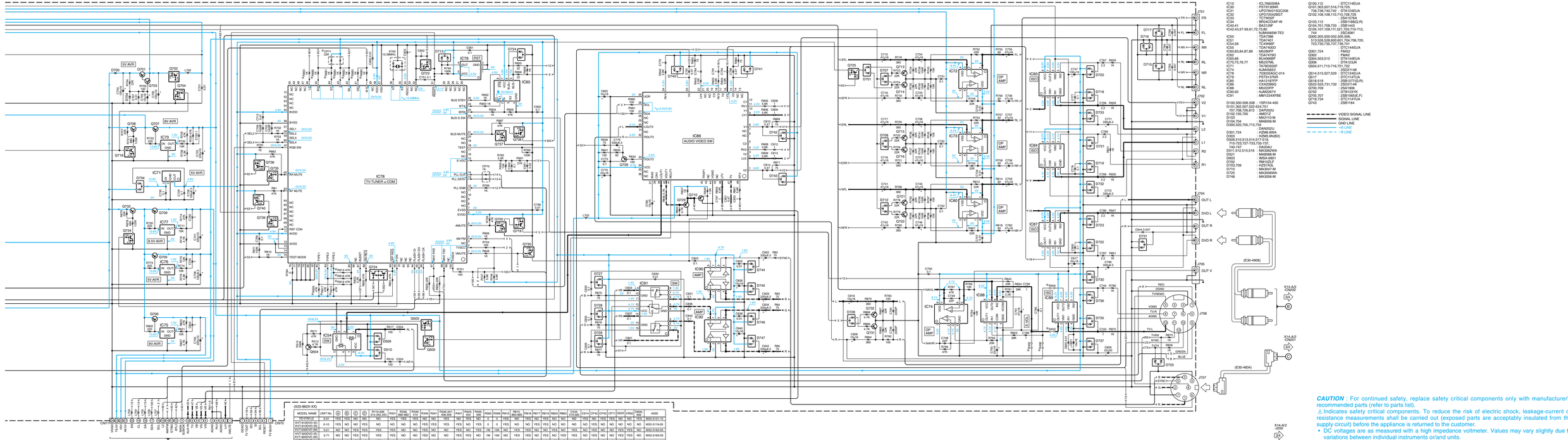
(X25-862X-XX)

POWER AMP
IC50
REAR Lch
FRONT Lch
REAR Rch
FRONT Rch
IC31
SYSTEM u-COM
IC30
IC32
IC33 NOR
IC34 EEP ROM
IC51 H.P.F
IC55 E-VOL
IC40 SW OPAMP
IC41 SW OPAMP
IC42 BUFF
IC43 BUFF
IC56 SW
IC57 BUFF
IC58 BUFF
IC59 1/2 VCC
BUS I/F
RST
X86-CN1 1/4

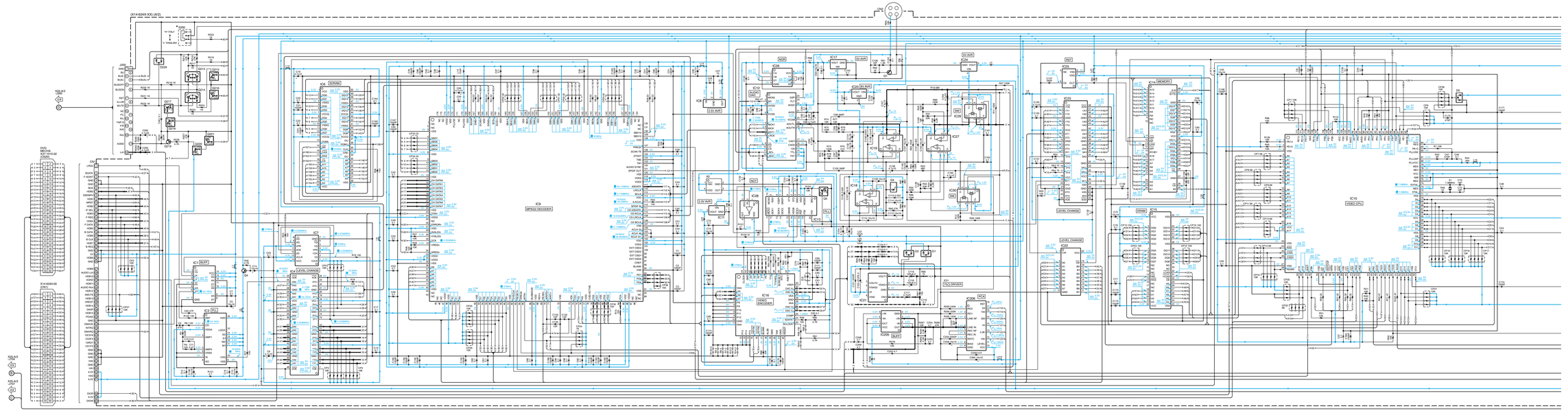
BN BO BP BQ BR BS BT BU BV BW


(X25-862X-XX)
DIVERSITY
IC64
AVR DET
FSD
VTH
VSS
BPF
VCC
PEAK
NC
NDD
SUB
MAIN
Q600
R601 2.2K
C604 470P
C605 0.01
C606 0.033
R600 220
C607 0.022
L600 560uH
C612 4700P
C608 0.01
C609 0.01
C610 10u16
L602
R607 120K
C611 0.047
C613 0.01
R604 100K
R605 2.2K
R606 2.2K
0V/3.0V
8.0V
DC/DC
IC10
BOOST
CAP +
GND
CAP -
V +
OSC
LV
V OUT
7.8V/9.2V
10.0V
-10.0V
Q104
Q105
Q106
Q107
Q108
Q109
Q110
Q111
L101 22uH
C106 100u16
D103
D104
R104 1K
R105 100K
R106 75
C103 4.7u25
C107 2.2
C108 2.2
C109 2.2
C110 2.2
C111 22u16
R107 2.7K
R108 47
R109 15K
R110 16K
R111 91K
R112 56K
C112 0.022
R113 47
R114 10K
C113 0.01
R115 91K
R116 91K
C114 10u50
C530 0.1
P2
D600
C614 150P
D602
C615 150P
D603
R401
WH1-2 SUB
WH1-1 MAIN
NOISE DETECT
IC61
Q516
Q517
Q521
D520
L505 4.7uH
C601 1500P
C572 6800P
R558 10K
R561 100K
R565 10K
C574 2200P
R547 2.2K
R546 5.6K
R556 5.6K
C575 1000P
C599 220P
C562 1000P
R549 10K
C571 470P
C573 82P
R560 15K
C589 0.022
R567 82K
C566 18P
R553 33K
C587 6P
R550 2.7K
C564 1000P
C600 220P
R568 22
R548 10K
C565 120P
R557 10K
R566 10K
C563 470P
R559 10K
C588 10u16
ROS DECODER
IC62
QUAL
RDAT
VREF
MPX
OSEL
GND
ARI
FI L OUT
RDCK
T57
OSCO
OSCI
VCC
EXTRES
TM
F SEL
4.3MHz
X500 4.332MHz
C590 10P
C591 10P
C569 270P
C568 10u16
L501 4.7uH
C567 0.01
C570 10u16
IC60 ISO
IN 2
Vm2
OUT 2
VCC
VSS
IN 1
Vm1
OUT
D517
D518
D519
Q514
Q515
Q518
Q519
Q520
R551 1K
R554 22K
R552 1K
R555 22K
L503 4.7uH
L504 4.7uH
L502 4.7uH
C559 0.01
L603
L601
L506 10uH
C576 0.01
C577 10u16
C578 0.01
C579 1
R562
C586 150P
R564 4.7K
C585 0.33
R563 2.7K
C581 0.01
C582 470P
VR50 100K
C583 0.01
C584 10u16
CN50
CN52
CN51
CN53
(X25-) (B/2)
A500
RF GND
FM ANT
AM ANT
FM VCC
AM VCC
AM LO/DX
FM LO/DX
IF SELECT
RDS OUT
REQUEST
K2I VTH
VCO GND
FM SD
FSD OUT
FM DET OUT
AM DET OUT /IF MODE OUT
COMMON +B
IF GND
HI UP ADJ
PLL CE
PLL DATA
PLL CLK
P-ON 5V
D GND
C534 0.01
R599
C596 0.01
D512
D511
D516
D515
C544 0.01
C538 0.022
R523 100 REQ H
R526 1K CH CON
R527 1K MUTE
A GND
C561 4.7u25
R543 1K Rch
R532 1K RST
R537 2.2K DATA C
C560 4.7u25
R542 1K Lch
R539 100 DATA H
R541 100 CH CLK
R535 2.2K REQ C
BU
D GND
J500
DC CORD (E30-4911) KVT-920DVD(E,W)
DC CORD (E30-4914) VD-01M(J)
DC CORD (E30-4909) KVT-910DVD(K,R)/930DVD(M,H,)/ 940DVD(X)/960DVD(C)
FRONT L
FRONT R
REAR L
REAR R
ANT. CONT
P. CONT
P. CONT OUT
EXT. CONT
TEL MUTE
ILLUMI
BATT
ACC
3A
10A
WHT
WHT/BLK
GRY/BLK
GRY
BLU
BLU/WHT
RED
BLK
GRN
GRN/BLK
VIOL/BLK
VIOL
PNK/BLK
BRN
ORG/WHT
YEL
GND
J700
NC
FL+
RL+
FL-
RL-
FR-
RR-
FR+
RR+
ANT CON
EXT CON
PCON
L MUTE
ACC
ILLMI
B.U
R701 1K
R700 10K
R707 10K
L701
D702
C706 0.022
C710 3900u16
R708 47K
R713 1K
R710 22K
C719 0.01
D710
Q706
C711 0.022
D703
R712 18K
R715 36K
Q711
C712 0.01
R717 18K
R709 15K
D709
Q712
D705
R706 3.3K 1/2W
C714 0.047
R722 9.1K
R770 33 1/2W
CN72
Q743
Q744
Q742
Q741
R771 1K
C754 10u16
D748
C753 0.01
R772 100K
P1
C312 0.01
C314 0.1
C315 0.1
C316 0.1
C305 0.01
C304 0.022
C306 0.1
L300
L301
R303 1K
R304 1K
R305 1K
R306 1K
R307 1K
L314
L312
L311
L313
L310
L309
BFL
BRL
BGG
BFR
BRR
BAR
BAG
BAL
AR
AG
AL
J300
GND
B.U
BUS-
BUS+
BUS OFF
BUS ON
RST
ILLM
MUTE
NC
F/L
R/L
F&R G
F/R
R/R
AUD R
AUD G
AUD L
(E30-4740)

BX | BY | BZ | DA | DB | DC | DD | DE | DF | DG | DH | DI | DJ | DK | DL | DM | DN | DO | DP | DQ



(X25-862X-XX) MODEL NAME	Unit No.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	R119-326, R346,347	R331	R336-339, R342,343	R335	R340	R341	R346,347 R344,345	R401	R403 R404	R402	R599	R819	R815, R816	R816	R817	R819	R820	R883	C634, C635	C614	CF42	CF43	CF71	Q520	V560	R600, R601	A500
VD(YRB) U	0-01	YES	YES	NO	NO	NO	NO	NO	YES	YES	YES	NO	NO	YES	NO	0	0	YES	NO	YES	NO	YES	NO	NO	YES	NO	YES	YES	NO	NO	YES	9952-3121-15
KVT-910DVD (K)	0-10	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	0	0	YES	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES	NO	NO	9952-3119-05
KVT-910DVD (M)	0-21	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES	NO	NO	YES	NO	YES	1M	15K	NO	YES	YES	NO	NO	YES	NO	YES	NO	NO	YES	YES	NO	9952-3163-05
KVT-920DVD (K)	2-11	NO	NO	YES	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES	NO	YES	1M	15K	NO	YES	YES	NO	NO	YES	NO	YES	NO	NO	YES	YES	NO	9952-3163-05
KVT-920DVD (M)	2-11	YES	NO	YES	NO	YES	NO	NO	YES	NO	YES	NO	NO	YES	NO	YES	1M	15K	NO	YES	YES	NO	NO	YES	NO	YES	NO	NO	YES	YES	NO	9952-3163-05
KVT-930DVD (K)	4-11	YES	NO	YES	NO	YES	NO	NO	YES	NO	YES	NO	NO	YES	NO	YES	1M	15K	NO	YES	YES	NO	NO	YES	NO	YES	NO	NO	YES	YES	NO	9952-3163-05
KVT-940DVD (K)	3-01	YES	NO	YES	NO	YES	NO	NO	YES	NO	YES	NO	NO	YES	NO	YES	1M	15K	NO	YES	YES	NO	NO	YES	NO	YES	NO	NO	YES	YES	NO	9952-3163-05
KVT-960DVD (C)	3-01	YES	NO	YES	NO	YES	NO	NO	YES	NO	YES	NO	NO	YES	NO	YES	1M	15K	NO	YES	YES	NO	NO	YES	NO	YES	NO	NO	YES	YES	NO	9952-3163-05



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	J	K	E		M	H
TYPE0	L	H	H	L	L	H
TYPE1	L	L	L	L	H	H
TYPE2	L	L	H	H	L	L

(X14-634X-XX)

MODEL NAME	UNIT No.	R326	R327	R328	R329	R330	R331	W500, 503	W501, 502
VD-01M(J)	0-01	NO	NO	NO	YES	YES	YES	YES	NO
KVT-910DVD(K) KVT-910DVD(R)	0-10	YES	NO	NO	NO	YES	YES	YES	NO
KVT-920DVD(E) KVT-920DVD(W)	2-71	YES	NO	YES	NO	YES	NO	NO	YES
KVT-930DVD(M) KVT-940DVD(X) KVT-960DVD(C)	0-21	NO	YES	NO	YES	NO	YES	NO	NO
KVT-930DVD(H)	4-11	YES	YES	NO	NO	NO	YES	NO	NO

(3/4)

DIGITAL LINE
SIGNAL LINE
GND LINE
+B LINE

IC1 : TC74VHCT125AFT
IC3,219 : TC9246F
IC4,23 : TC74LCX16244AF
IC6 : HY57V161610DTC8
IC7 : TC74LCX74FT
IC8 : TA48M025F
IC9 : L64021H-G11
IC10 : HD6417040AF128
IC11 : NJU7222U33
IC12 : AK4353VF
IC13 : PLL1700E
IC14 : LHF40V13-ON3
IC15,213 : MSM5118165B60T
IC16 : ADV7170KSU
IC17,24 : NJU7222U50
IC18,19,27 : NJM4565V
IC20 : AN7708SP
IC21 : NJM2267V
IC22 : TC74LCX245FT
IC25 : S-80942ANMP
IC26 : TC7W00FU
IC28 : TC7SH04F
IC29,30 : TC4W66FU
IC200 : TA78DS05AF
IC201 : NJM2403V
IC202,203 : BA9743AFV
IC205 : NJM4565V
IC206 : BA3830F
IC207 : PST9137NR
IC208 : MM1234XFBE
IC209 : MM1389XFBE
IC210 : BU3616K
IC211 : NJM2235M
IC212 : HA12187FP
IC214 : HD64412F
IC215,229 : TC7SHU04F
IC216 : TC7W04FU
IC217 : 703035AGC-013
IC218 : MSM531622F76TS
IC220 : ＊＊＊＊＊＊＊＊＊＊＊
IC221 : M62354FP
IC222 : TA8428F
IC223 : TC74VHCT08AE
IC224 : TC7WH123FU
IC225 : LC351016AT-70U
IC226 : MSM514265CP-60
IC227 : HD6417041AF128
IC228 : W02-3152-05
IC500 : RS-141

Q1 : 2SC3437
Q4,201,203,235-239,262 : 2SC4081
Q5,202,227,229,230, 233,240,256-260,500,501 : DTC124EUA
Q200,222,228,255 : DTA124EUA
Q204,215,216,218,221 : DTC144EUA
Q205-208,234 : 2SA1576A
Q209,211,232 : 2SA2013
Q210,212 : 2SB1203-FA
Q213 : FMG2
Q214 : FMA2
Q217 : DTA114EUA
Q219,225,226 : 2SD2114K
Q220 : DTA144EUA
Q231 : 2SC5566
Q261 : 2SJ377

D1,2,5,213,220-223, 225,227-229 : DA204U
D3 : AD1580ART-REEL
D4 : HZM3.9N(B)
D6 : AVRM1608270MAB
D200,219,226,233 : DAP202U
D201,205 : 1SR154-400
D202,203 : RD6.8M(B2)
D204,211,214 : RB491D
D206 : D3F60
D207-210 : RB051L-40
D212,230-232 : MA3056WA
D215 : MA3091-M
D217 : DA227
D500 : B30-1523-05
D501,502 : B30-1545-05
D503 : B30-1559-05

KVT-910DVD/920DVD/930DVD/
940DVD/960DVD

KENWOOD

FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY

1 2 3 4 5 6 7

(X35-418X-XX) (D/4)

(X35-) (C/4)

(X35-) (A/4)

IC40 TIMING CONTROLLER

IC70 PLL CONTROL

IC91 V-COM DRIVER

IC90 GAMMA REVISION

IC140 DC/DC CONTROL

IC130 (BOTTOM VIEW)

Q91 RIPPLE FILTER

Q70 VCO

Q90 +7.5V AVR

IC1 DC/DC CONTROL

IC2

IC20

LCD B38-1067-05

TOUCH PANEL S79-0815-05

VIDEO SIGNAL LINE
GND LINE
+B LINE
-B LINE

UNIT No.	IC130	C130	CN31	W40	W130, 131
0-00	NO	NO	E41-0078-05	YES	NO
0-11	YES	YES	E41-0078-05	NO	YES
2-71	YES	YES	E41-0078-05	NO	YES

UNIT No.	R1	R2	R10	R16	R17	Q5	Q7	D4	D7
0-00	4.7K	3.3K	100K	680	180	NO	YES	YES	YES
0-11	0	12K	220K	680	270	YES	NO	YES	NO
2-71	0	12K	220K	680	270	YES	NO	NO	NO

IC1 : TL5001ID
IC2 : NJM4093V
IC20 : PNA4603M
IC40 : L2GLU04
IC70 : NJM2107F
IC90 : IR3Y25A1
IC91 : NJM2060V
IC130 : TC74AC274FT
IC140 : NJM2368V
IC160 : TC7WH123FU

Q1 : 2SC2412K
Q2 : 2SA1037K
Q3,4 : 2SC2873
Q5,20,22,23,25,40 : DTC124EUA
Q6 : 2SJ516
Q21,24 : DTA124EUA
Q70 : 2SC2411K
Q90,91 : 2SC4081

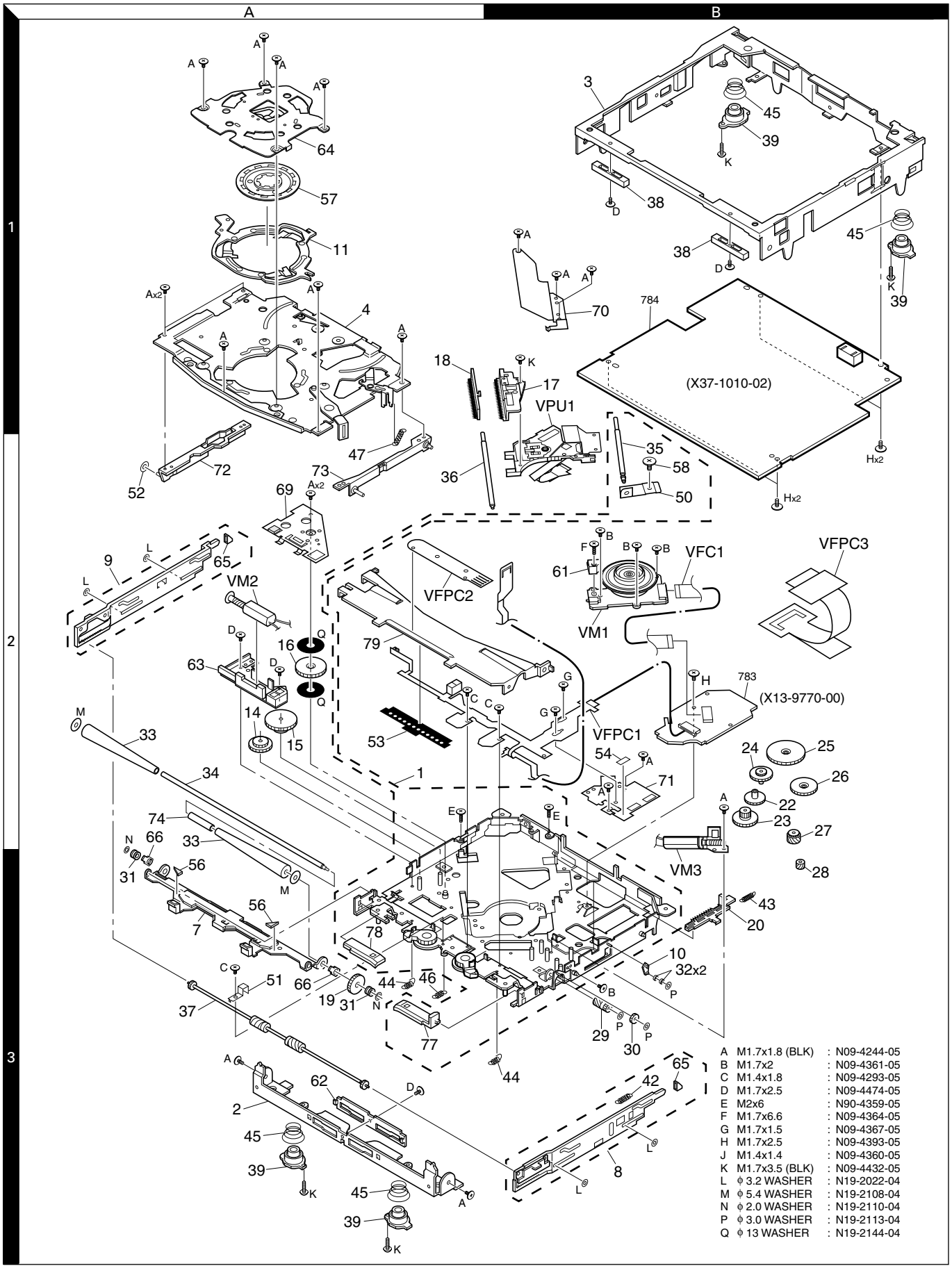
D2 : RB160L-40
D3,5 : 1SS193
D6 : UMZ6.8N
D15,24 : DAN240
D40,120 : MA716
D70 : MA152K
D71 : MA365
D72,73,160 : MA3051-M
D90 : MA3082-M
D91 : DAN202U
D140 : SB05-05CP
D141,142 : 1SS184
D161,162 : MA3056WA
D163 : MA8056-M

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KVT-910DVD/920DVD/930DVD/940DVD/960DVD

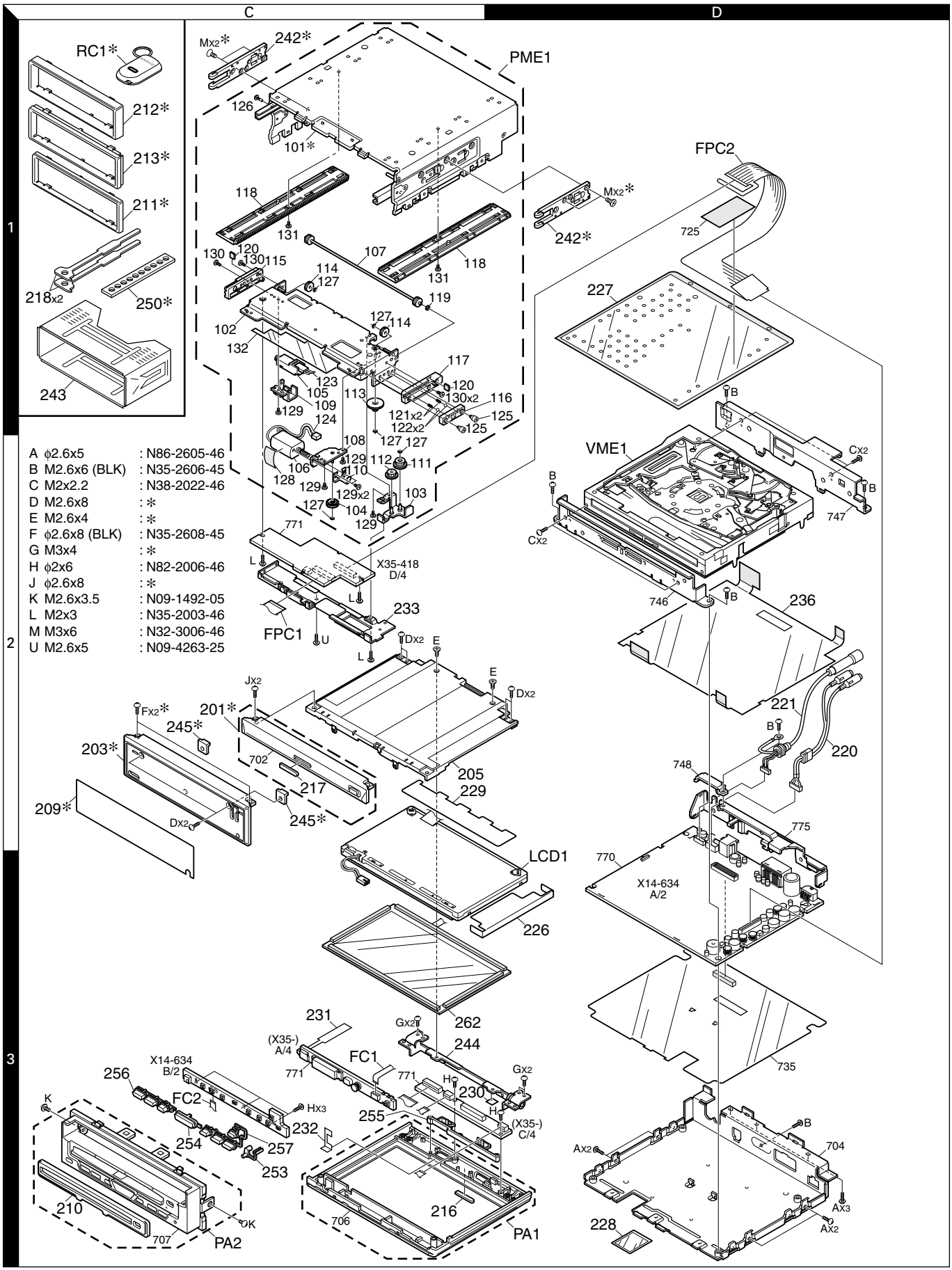
KENWOOD

EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)

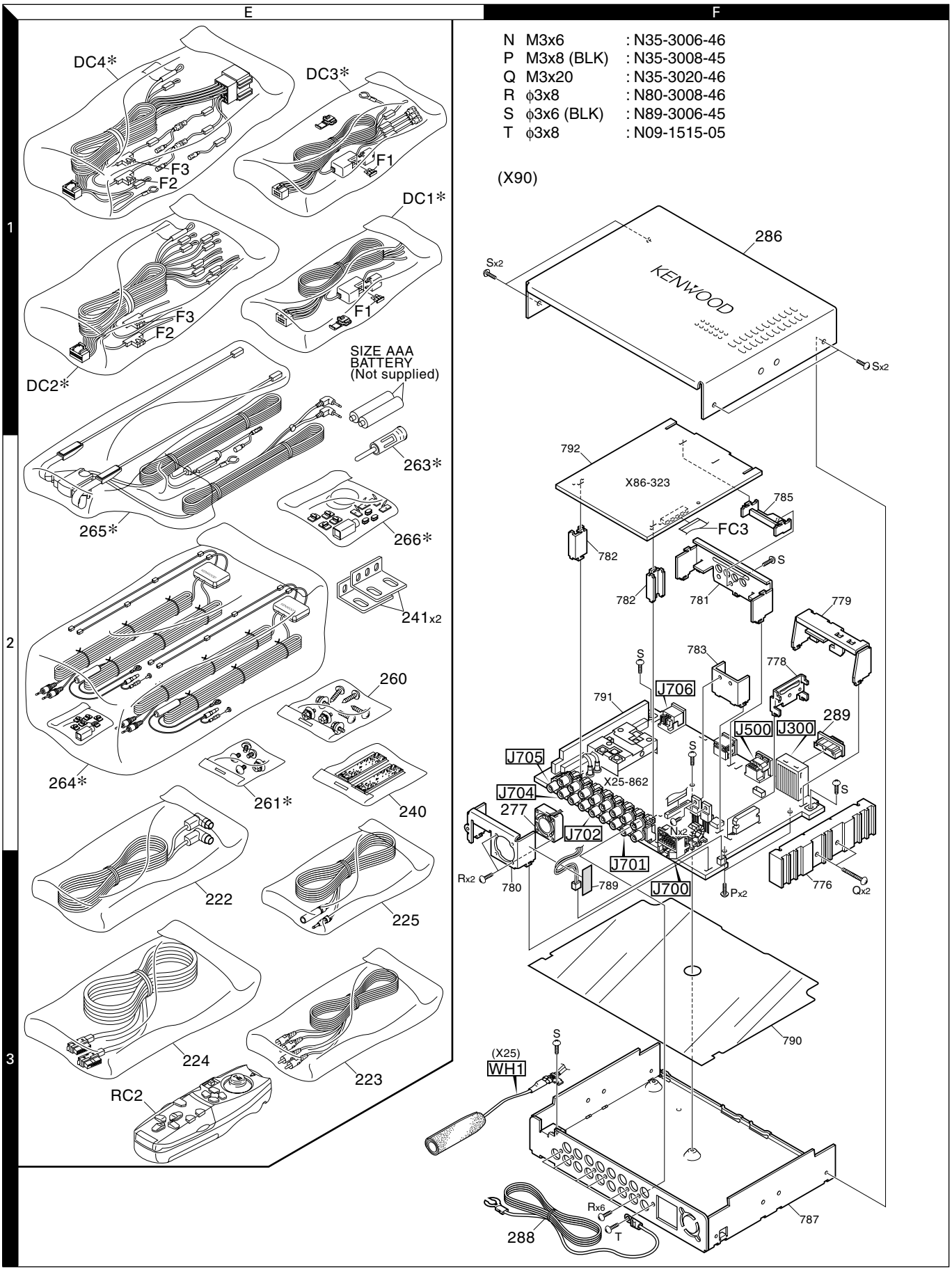


A	φ2.6x5	: N86-2605-46
B	M2.6x6 (BLK)	: N35-2606-45
C	M2x2.2	: N38-2022-46
D	M2.6x8	: *
E	M2.6x4	: *
F	φ2.6x8 (BLK)	: N35-2608-45
G	M3x4	: *
H	φ2x6	: N82-2006-46
J	φ2.6x8	: *
K	M2.6x3.5	: N09-1492-05
L	M2x3	: N35-2003-46
M	M3x6	: N32-3006-46
U	M2.6x5	: N09-4263-25

*Depends on the model. Refer to the parts list.

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



*Depends on the model. Refer to the parts list.

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

* New Parts
Parts without **Parts No.** are not supplied.
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Ref. No.	Add	New	Parts No.	Description	Destination
KVT-910DVD/920DVD/930DVD/940DVD/960DVD					
201	2C	*	A21-4074-13	DRESSING PANEL ASSY	KR
201	2C	*	A21-4075-13	DRESSING PANEL ASSY	MCH
201	2C	*	A21-4075-13	DRESSING PANEL ASSY	X
203	2C	*	A21-4078-02	DRESSING PANEL	EW
205	3C	*	A46-1698-11	REAR COVER	MCH
205	3C	*	A46-1698-11	REAR COVER	X
205	3C	*	A46-1707-11	REAR COVER	KREW
PA1	3C	*	A64-2249-12	PANEL ASSY (DISPLAY)	KR
PA1	3C	*	A64-2250-12	PANEL ASSY (DISPLAY)	MCH
PA1	3C	*	A64-2250-12	PANEL ASSY (DISPLAY)	X
PA1	3C	*	A64-2294-12	PANEL ASSY (DISPLAY)	EW
PA2	3C	*	A64-2253-02	PANEL ASSY (FRONT)	KR
PA2	3C	*	A64-2254-02	PANEL ASSY (FRONT)	EW
PA2	3C	*	A64-2255-02	PANEL ASSY (FRONT)	M
PA2	3C	*	A64-2296-12	PANEL ASSY (FRONT)	C
PA2	3C	*	A64-2297-12	PANEL ASSY (FRONT)	X
PA2	3C	*	A64-2403-02	PANEL ASSY (FRONT)	H
RC1	1C		A70-0886-15	REMOTE CONTROLLER ASSY (MASK)	EW
RC2	3E	*	A70-2013-05	REMOTE CONTROLLER ASSY	
209	2C	*	B03-3077-04	DRESSING PLATE	EW
210	3C	*	B03-3078-03	DRESSING PLATE	KR
210	3C	*	B03-3079-03	DRESSING PLATE	M
210	3C	*	B03-3082-13	DRESSING PLATE	C
210	3C	*	B03-3083-13	DRESSING PLATE	X
210	3C	*	B03-3084-03	DRESSING PLATE	EW
210	3C	*	B03-3091-03	DRESSING PLATE	H
211	1C		B07-2094-12	ESCUTCHEON (BLACK)	KR
211	1C	*	B07-3021-02	ESCUTCHEON (GRAY)	MCH
211	1C	*	B07-3021-02	ESCUTCHEON (GRAY)	X
212	1C		B07-2177-02	ESCUTCHEON (BLACK)	EW
213	1C		B07-2178-02	ESCUTCHEON (BLACK)	EW
216 ,217	3C	*	B43-1270-04	KENWOOD BADGE (SILVER)	
217	2C	*	B43-1271-04	KENWOOD BADGE (BLACK)	KR
-			B46-0100-50	WARRANTY CARD	
-			B46-0612-14	ID CARD	EW
-		*	B46-0631-13	USER CARD	KR
-		*	B64-1782-00	INSTRUCTION MANUAL(ENGLISH)	KR
-		*	B64-1783-00	INSTRUCTION MANUAL(FRENCH)	KR
-		*	B64-1784-00	INSTRUCTION MANUAL(ENGLISH)	E
-		*	B64-1785-00	INSTRUCTION MANUAL(FRENCH)	E
-		*	B64-1786-00	INSTRUCTION MANUAL(GERMAN)	E
-		*	B64-1787-00	INSTRUCTION MANUAL(ITALIAN)	EW
-		*	B64-1788-00	INSTRUCTION MANUAL(ARABIC)	C
-		*	B64-1789-00	INSTRUCTION MANUAL(ENG.,CHI.)	MHX
-		*	B64-2029-00	INSTRUCTION MANUAL(DUTCH)	E
-		*	B64-2030-00	INSTRUCTION MANUAL(SPANISH)	E
-		*	B64-2031-00	INSTRUCTION MANUAL(PROTUGUESE)	E
LCD1	3D	*	B38-1067-05	LIQUID CRYSTAL	
218	1C		D10-3031-04	LEVER (121X25)	KRMC
218	1C		D10-3031-04	LEVER (121X25)	HX
218	1C		D10-4395-04	LEVER (156x25)	EW
PME1	1C	*	D40-1142-05	PANEL MECHANISM ASSY	KRMC
PME1	1C	*	D40-1142-05	PANEL MECHANISM ASSY	HX
PME1	1C	*	D40-1143-05	PANEL MECHANISM ASSY	EW
220	2D	*	E30-4832-05	AUDIO CORD	
221	2D	*	E30-4833-05	CORD WITH PLUG (RGB)	
222	3E	*	E30-4834-05	CORD WITH PLUG (RGB)	
223	3E	*	E30-4908-05	AUDIO CORD	
224	3E	*	E30-4740-05	CORD WITH PLUG (BUS)	
225	3E	*	E30-4953-05	CORD WITH PLUG (ANT)	
DC1	1E	*	E30-4831-05	DC CORD (8P)	KRMC
DC1	1E	*	E30-4831-05	DC CORD (8P)	HX
DC2	1E	*	E30-4909-05	DC CORD (16P)	KRMC
DC2	1E	*	E30-4909-05	DC CORD (16P)	HX
DC3	1E	*	E30-4910-05	DC CORD (8P)	EW
DC4	1E	*	E30-4911-05	DC CORD (16P)	EW
FC1	3C	*	E39-0376-05	FLAT CABLE (10P)	
FC2	3C	*	E39-0379-05	FLAT CABLE (14P)	
226	3D	*	F09-1655-14	SHEET	
227	1D	*	F09-1661-04	SHEET	
228	3D	*	F09-1662-04	SHEET	
229	2C	*	F09-1678-04	SHEET	
230	3C	*	F09-1705-04	SHEET	
231	3C	*	F12-0736-14	SHIELDING SHEET	
232	3C	*	F12-0747-04	SHIELDING SHEET	
233	2C	*	F19-1373-13	BLIND PLATE ASSY	
236	2D	*	F20-2125-04	INSULATING SHEET	
F1	1E		F52-0004-05	MINI FUSE (5A)	
F2	1E		F52-0002-05	MINI FUSE (3A)	
F3	1E		F52-0006-05	MINI FUSE (10A)	
240	3E		H30-0051-05	MAGIC TAPE	
-		*	H02-0832-03	INNER CARTON CASE	
-		*	H10-4738-02	POLYSTYRENE FOAMED FIXTURE	
-		*	H10-4739-02	POLYSTYRENE FOAMED FIXTURE	
-		*	H13-1792-04	CARTON BOARD	KRMC
-		*	H13-1792-04	CARTON BOARD	HX
-		*	H13-2004-04	CARTON BOARD	
-			H25-0338-04	PROTECTION BAG (250X350X0.03)	
-			H25-1115-04	PROTECTION BAG	
-		*	H54-1865-03	ITEM CARTON CASE	KR
-		*	H54-1866-03	ITEM CARTON CASE	EW
-		*	H54-1867-03	ITEM CARTON CASE	MH
-		*	H54-1868-03	ITEM CARTON CASE	X
-		*	H54-1869-03	ITEM CARTON CASE	C
-		*	H54-2168-03	ITEM CARTON CASE	R
241	2E		J21-3801-04	MOUNTING HARDWARE	
242	1C		J21-9473-04	MOUNTING HARDWARE	EW
243	1C		J21-9491-13	MOUNTING HARDWARE ASSY	
244	3C		J21-9630-15	MOUNTING HARDWARE ASSY	
245	2C	*	J21-9668-04	MOUNTING HARDWARE	EW
250	1C		J54-0606-04	STAY	KRMC
250	1C		J54-0606-04	STAY	HX
FPC1	2C	*	J84-0124-04	FLEXIBLE PRINTED WIRING BOARD	
FPC2	1D	*	J84-0126-03	FLEXIBLE PRINTED WIRING BOARD	
253	3C	*	K24-3662-04	KNOB (RESET)	
254	3C	*	K24-3663-04	KNOB (SOURCE)	

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

⚠ indicates safety critical components.

PARTS LIST

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Ref. No.	Add	New	Parts No.	Description	Destination
255	3C	*	K25-1245-03	KNOB (V/M)(BLACK)	KREW
255	3C	*	K25-1246-03	KNOB (V/M)(SILVER)	MCH
255	3C	*	K25-1246-03	KNOB (V/M)(SILVER)	X
256	3C	*	K25-1247-03	KNOB (VOLUME/ATT)(BLACK)	KREW
256	3C	*	K25-1248-03	KNOB (VOLUME/ATT)(SILVER)	MCH
256	3C	*	K25-1248-03	KNOB (VOLUME/ATT)(SILVER)	X
257	3C	*	K25-1249-03	KNOB (TI/SEEK/EJECT)(BLACK)	KREW
257	3C	*	K25-1250-03	KNOB (TI/SEEK/EJECT)(SILVER)	M
257	3C	*	K25-1316-03	KNOB (LOUD/SEEK/EJECT)(SILVER)	CHX
260	3E		N99-1558-05	SCREW SET	
261	3E		N99-1571-05	SCREW SET	KRMC
261	3E		N99-1571-05	SCREW SET	HX
A	3D		N86-2605-46	BINDING HEAD TAPTITE SCREW	
B	2D		N35-2606-45	BINDING HEAD MACHINE SCREW	
C	2D		N38-2022-46	PAN HEAD MACHIN SCREW	
D	2C	*	N09-4418-05	MACHINE SCREW (M2.6X8)	MCH
D	2C	*	N09-4418-05	MACHINE SCREW (M2.6X8)	X
D	2C	*	N09-4438-05	MACHINE SCREW (M2.6X8)	KREW
E	2C	*	N09-4459-05	MACHINE SCREW (M2.6X4)	MCH
E	2C	*	N09-4459-05	MACHINE SCREW (M2.6X4)	X
E	2C	*	N09-4462-05	MACHINE SCREW (M2.6X4)	KREW
F	2C		N35-2608-45	BINDING HEAD MACHINE SCREW	EW
G	3C	*	N09-4417-05	MACHINE SCREW (M3X4)	MCH
G	3C	*	N09-4417-05	MACHINE SCREW (M3X4)	X
G	3C	*	N09-4437-05	MACHINE SCREW (M3X4)	KREW
H	3C		N82-2006-46	BINDING HEAD TAPTITE SCREW	
J	2C		N82-2608-41	BINDING HEAD TAPTITE SCREW	MCH
J	2C		N82-2608-41	BINDING HEAD TAPTITE SCREW	X
J	2C		N82-2608-45	BINDING HEAD TAPTITE SCREW	KREW
K	3C		N09-1492-05	MACHINE SCREW (2.6X3.5)	
L	2C		N35-2003-46	BINDING HEAD MACHINE SCREW	
M	1C		N32-3006-46	FLAT HEAD MACHIN SCREW	EW
U	2C		N09-4263-25	MACHINE SCREW (M2.6x5)	
262	3D	*	S79-0815-05	SWITCH ASSY	
263	2E		T90-0512-05	ANTENNA ADAPTOR	EW
264	2E		T90-0518-35	ANTENNA ASSY	KREW
265	2E	*	T90-0545-05	ANTENNA ASSY	MCH
265	2E	*	T90-0545-05	ANTENNA ASSY	X
266	2E	*	W01-1552-05	ACCESSORY	MCH
266	2E	*	W01-1552-05	ACCESSORY	X
VME1	2D	*	X92-3550-03	DVD MECHANISM ASSY	
SUB-CIRCUIT UNIT (X13-9770-00)					
C1 -3			CK73GB1C104K	CHIP C 0.10UF K	
CN1		*	E40-9781-05	FLAT CABLE CONNECTOR	
CN2		*	E40-9788-05	FLAT CABLE CONNECTOR	
CN3		*	E40-9789-05	FLAT CABLE CONNECTOR	
R1			RK73FB2A301J	CHIP R 300 J 1/10W	
R2 ,3			RK73FB2A331J	CHIP R 330 J 1/10W	
R4			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	
R5			RK73GB1J153J	CHIP R 15K J 1/16W	
R6			RK73GB1J104J	CHIP R 100K J 1/16W	
R7			RK73GB1J105J	CHIP R 1.0M J 1/16W	
R8			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R9 ,10			RK73GB1J103J	CHIP R 10K J 1/16W	
S1		*	S68-0846-05	PUSH SWITCH	
IC1			NJM2406F	ANALOGUE IC	
TH1			NT732ATD33KJ	THERMISTOR	
VIDEO CONTROL UNIT (X14-634X-XX)					
D500			B30-1523-05	LED	
D501,502			B30-1545-05	LED(BLUE)	
D503			B30-1559-05	LED	
C1 -4			CK73GB1H102K	CHIP C 1000PF K	
C5			C92-1359-05	CHIP-TAN 10UF 16WV	
C6			C92-0606-05	CHIP-TAN 4.7UF 10WV	
C7			CK73GB1C104K	CHIP C 0.10UF K	
C8			CK73GB1H102K	CHIP C 1000PF K	
C9			CC73GCH1H470J	CHIP C 47PF J	
C10			CK73GB1H103K	CHIP C 0.010UF K	
C11			CK73FB1C474K	CHIP C 0.47UF K	
C12 ,13			CK73GB1C104K	CHIP C 0.10UF K	
C14 ,15			C92-1359-05	CHIP-TAN 10UF 16WV	
C16 ,17			CK73GB1C104K	CHIP C 0.10UF K	
C19			C92-0606-05	CHIP-TAN 4.7UF 10WV	
C20			CK73GB1C104K	CHIP C 0.10UF K	
C21			CK73GB1H102K	CHIP C 1000PF K	
C22			CK73GB1C104K	CHIP C 0.10UF K	
C23			CK73GB1H102K	CHIP C 1000PF K	
C24			CK73GB1C104K	CHIP C 0.10UF K	
C25			CC73GCH1H470J	CHIP C 47PF J	
C26			CK73GB1C104K	CHIP C 0.10UF K	
C27			CK73EB0J106K	CHIP C 10UF K	
C28			C92-0606-05	CHIP-TAN 4.7UF 10WV	
C29			CK73GB1C104K	CHIP C 0.10UF K	
C30			C92-0606-05	CHIP-TAN 4.7UF 10WV	
C31			CK73GB1H102K	CHIP C 1000PF K	
C32 -40			CK73GB1C104K	CHIP C 0.10UF K	
C41			CK73GB1H102K	CHIP C 1000PF K	
C42			CK73GB1C104K	CHIP C 0.10UF K	
C43			C92-1359-05	CHIP-TAN 10UF 16WV	
C44 -46			CK73GB1C104K	CHIP C 0.10UF K	
C47			CC73GCH1H471J	CHIP C 470PF J	
C48 -64			CK73GB1C104K	CHIP C 0.10UF K	
C65 ,66			CK73GB1H102K	CHIP C 1000PF K	
C67			C92-1359-05	CHIP-TAN 10UF 16WV	
C68			CK73GB1C104K	CHIP C 0.10UF K	
C70			CK73GB1C104K	CHIP C 0.10UF K	
C72 ,73			CC73GCH1H180J	CHIP C 18PF J	
C74 ,75			C92-1359-05	CHIP-TAN 10UF 16WV	
C76 ,77			CK73GB1C104K	CHIP C 0.10UF K	
C78			CK73GB1H102K	CHIP C 1000PF K	
C79 ,80			CK73GB1C104K	CHIP C 0.10UF K	
C82 ,83			CK73GB1C104K	CHIP C 0.10UF K	
C84			CK73GB1H102K	CHIP C 1000PF K	
C85			CK73GB1C104K	CHIP C 0.10UF K	

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

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VIDEO CONTROL UNIT (X14-634X-XX)

Ref. No.	Add	New	Parts No.	Description			Destination
C87			C92-1359-05	CHIP-TAN	10UF	16WV	
C88 ,89			C92-0675-05	ELECTRO	4.7UF	25WV	
C90 ,91			CK73GB1C104K	CHIP C	0.10UF	K	
C92			C92-1359-05	CHIP-TAN	10UF	16WV	
C93			CK73GB1C104K	CHIP C	0.10UF	K	
C94			C92-1359-05	CHIP-TAN	10UF	16WV	
C95			CK73GB1C104K	CHIP C	0.10UF	K	
C96 ,97			CC73GCH1H221J	CHIP C	220PF	J	
C98			CK73GB1C104K	CHIP C	0.10UF	K	
C99 ,100			CC73GCH1H391J	CHIP C	390PF	J	
C101,102			C92-1359-05	CHIP-TAN	10UF	16WV	
C103,104			CK73GB1C104K	CHIP C	0.10UF	K	
C105,106			CK73GB1E223K	CHIP C	0.022UF	K	
C107-110			C92-1359-05	CHIP-TAN	10UF	16WV	
C113,114			C92-1359-05	CHIP-TAN	10UF	16WV	
C115			CK73GB1E223K	CHIP C	0.022UF	K	
C116			CK73GB1C104K	CHIP C	0.10UF	K	
C117			C92-0675-05	ELECTRO	4.7UF	25WV	
C118,119			C92-0093-05	CHIP C	100UF	6.3WV	
C120			C92-0092-05	CHIP C	47UF	6.3WV	
C121			CK73GB1H102K	CHIP C	1000PF	K	
C122-125			CK73GB1C104K	CHIP C	0.10UF	K	
C126			CC73GCH1H150J	CHIP C	15PF	J	
C127			CK73GB1C104K	CHIP C	0.10UF	K	
C128			CK73FB1C334K	CHIP C	0.33UF	K	
C129			C92-0606-05	CHIP-TAN	4.7UF	10WV	
C130-132			CK73GB1C104K	CHIP C	0.10UF	K	
C133-135			CC73GCH1H150J	CHIP C	15PF	J	
C136			CK73GB1C104K	CHIP C	0.10UF	K	
C137			CC73GCH1H391J	CHIP C	390PF	J	
C138-140			CC73GCH1H150J	CHIP C	15PF	J	
C141			CK73GB1E223K	CHIP C	0.022UF	K	
C142			C92-1359-05	CHIP-TAN	10UF	16WV	
C143			CK73GB1C104K	CHIP C	0.10UF	K	
C144,145			CK73GB1H102K	CHIP C	1000PF	K	
C146,147			C92-1359-05	CHIP-TAN	10UF	16WV	
C148,149			CC73GCH1H180J	CHIP C	18PF	J	
C150-153			CK73GB1C104K	CHIP C	0.10UF	K	
C154			C92-0606-05	CHIP-TAN	4.7UF	10WV	
C155			C92-1359-05	CHIP-TAN	10UF	16WV	
C156			CK73GB1H102K	CHIP C	1000PF	K	
C157-160			C92-0606-05	CHIP-TAN	4.7UF	10WV	
C161,162			CK73GB1C104K	CHIP C	0.10UF	K	
C163			CK73GB1H102K	CHIP C	1000PF	K	
C164			CK73GB1C104K	CHIP C	0.10UF	K	
C165			CK73GB1H102K	CHIP C	1000PF	K	
C168-178			CK73GB1H102K	CHIP C	1000PF	K	
C179			CC73GCH1H471J	CHIP C	470PF	J	
C182,183			CK73GB1H102K	CHIP C	1000PF	K	
C190			C92-1359-05	CHIP-TAN	10UF	16WV	
C200			CK73GB1H103K	CHIP C	0.010UF	K	
C201			C90-2843-05	ELECTRO	2200UF	16WV	
C202			CK73GB1H103K	CHIP C	0.010UF	K	
C203			CK73GB1E223K	CHIP C	0.022UF	K	
C204			CK73FB1A105K	CHIP C	1.0UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C205			C93-1032-05	CERAMIC	0.10UF	K	
C206			CK73FB1H104K	CHIP C	0.10UF	K	
C207			C92-0090-05	CHIP C	22UF	6.3WV	
C208			CK73GB1C104K	CHIP C	0.10UF	K	
C209			CK73GB1H103K	CHIP C	0.010UF	K	
C210			CK73FB1C334K	CHIP C	0.33UF	K	
C211			CK73GB1H152K	CHIP C	1500PF	K	
C212			CC73GCH1H471J	CHIP C	470PF	J	
C213			CK73GB1H472K	CHIP C	4700PF	K	
C214			C93-1032-05	CERAMIC	0.10UF	K	
C215			CK73FB1C334K	CHIP C	0.33UF	K	
C216			CC73GCH1H471J	CHIP C	470PF	J	
C217			CK73GB1H472K	CHIP C	4700PF	K	
C218			CK73GB1C104K	CHIP C	0.10UF	K	
C219		*	C92-1610-05	ELECTRO	220UF	16WV	
C220			CK73GB1H102K	CHIP C	1000PF	K	
C221			CK73GB1C104K	CHIP C	0.10UF	K	
C222		*	C93-1158-05	CERAMIC C	4.7UF	50WV	
C223			CK73GB1H102K	CHIP C	1000PF	K	
C224		*	C92-1607-05	ELECTRO	82UF	6WV	
C225			CK73GB1C104K	CHIP C	0.10UF	K	
C226		*	C92-1476-05	ELECTRO	39UF	16WV	
C227			CK73GB1C104K	CHIP C	0.10UF	K	
C228			CK73FB1C334K	CHIP C	0.33UF	K	
C229			CC73GCH1H471J	CHIP C	470PF	J	
C230			CK73GB1H472K	CHIP C	4700PF	K	
C231			C93-1032-05	CERAMIC	0.10UF	K	
C232			CK73FB1C334K	CHIP C	0.33UF	K	
C233			CC73GCH1H471J	CHIP C	470PF	J	
C234			CK73GB1H472K	CHIP C	4700PF	K	
C235			CK73GB1C104K	CHIP C	0.10UF	K	
C236			C92-0671-05	ELECTRO	10UF	16WV	
C237		*	C92-1610-05	ELECTRO	220UF	16WV	
C238			CK73GB1H102K	CHIP C	1000PF	K	
C239			CK73GB1C104K	CHIP C	0.10UF	K	
C240		*	C93-1158-05	CERAMIC C	4.7UF	50WV	
C241			CK73GB1H102K	CHIP C	1000PF	K	
C242		*	C92-1476-05	ELECTRO	39UF	16WV	
C243			CK73GB1C104K	CHIP C	0.10UF	K	
C244		*	C92-1474-05	ELECTRO	56UF	10WV	
C245			CK73GB1C104K	CHIP C	0.10UF	K	
C248-250			CK73EB1A475K	CHIP C	4.7UF	K	
C252			CK73EB1A475K	CHIP C	4.7UF	K	
C254			CK73EB1A475K	CHIP C	4.7UF	K	
C256			CK73GB1H332K	CHIP C	3300PF	K	
C257			CC73GCH1H820J	CHIP C	82PF	J	
C258			C92-0628-05	CHIP-TAN	10UF	10WV	
C259			CK73GB1H103K	CHIP C	0.010UF	K	
C260			C92-0628-05	CHIP-TAN	10UF	10WV	
C262			C92-0667-05	ELECTRO	10UF	10WV	
C263-271			CK73GB1C104K	CHIP C	0.10UF	K	
C272			C92-0628-05	CHIP-TAN	10UF	10WV	
C273-276			CK73GB1C104K	CHIP C	0.10UF	K	
C277-279			C92-0628-05	CHIP-TAN	10UF	10WV	
C280-284			CK73GB1C104K	CHIP C	0.10UF	K	

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R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

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Ref. No.	Add	New	Parts No.	Description			Destination
C285			C92-0628-05	CHIP-TAN	10UF	10WV	
C286,287			CK73GB1C104K	CHIP C	0.10UF	K	
C288			CC73GCH1H471J	CHIP C	470PF	J	
C289			C92-0628-05	CHIP-TAN	10UF	10WV	
C290			CK73GB1C104K	CHIP C	0.10UF	K	
C291			CK73FB1A105K	CHIP C	1.0UF	K	
C292			CK73GB1C104K	CHIP C	0.10UF	K	
C293			CK73GB1H103K	CHIP C	0.010UF	K	
C294			C92-0092-05	CHIP C	47UF	6.3WV	
C295,296			CK73GB1C104K	CHIP C	0.10UF	K	
C297			C92-0628-05	CHIP-TAN	10UF	10WV	
C298-300			CK73GB1C104K	CHIP C	0.10UF	K	
C301,302			C92-0628-05	CHIP-TAN	10UF	10WV	
C303			CK73GB1C104K	CHIP C	0.10UF	K	
C304			CK73GB1H222K	CHIP C	2200PF	K	
C305,306			CC73GCH1H471J	CHIP C	470PF	J	
C307,308			CK73GB1C104K	CHIP C	0.10UF	K	
C309,310			CC73GCH1H220J	CHIP C	22PF	J	
C311			CK73FB1C105K	CHIP C	1.0UF	K	
C312-314			CK73GB1C104K	CHIP C	0.10UF	K	
C315			CK73GB1H103K	CHIP C	0.010UF	K	
C316			CK73GB1C104K	CHIP C	0.10UF	K	
C317			CK73GB1H103K	CHIP C	0.010UF	K	
C318-320			CK73GB1C104K	CHIP C	0.10UF	K	
C321			C92-0628-05	CHIP-TAN	10UF	10WV	
C322,323			CK73GB1C104K	CHIP C	0.10UF	K	
C324			C92-0628-05	CHIP-TAN	10UF	10WV	
C325-331			CK73GB1C104K	CHIP C	0.10UF	K	
C332			CC73GCH1H471J	CHIP C	470PF	J	
C333			C90-2945-05	ELECTRO	0.047F	5.5WV	
C334			CK73GB1C104K	CHIP C	0.10UF	K	
C335			C92-0628-05	CHIP-TAN	10UF	10WV	
C338			C92-0628-05	CHIP-TAN	10UF	10WV	
C339,340			CK73GB1C104K	CHIP C	0.10UF	K	
C341			C92-0628-05	CHIP-TAN	10UF	10WV	
C342			CK73GB1H103K	CHIP C	0.010UF	K	
C343			CK73GB1C104K	CHIP C	0.10UF	K	
C344			CK73GB1H103K	CHIP C	0.010UF	K	
C345,346			CC73GCH1H471J	CHIP C	470PF	J	
C349,350			CC73GCH1H180J	CHIP C	18PF	J	
C351-354			CK73GB1C104K	CHIP C	0.10UF	K	
C355			CC73GCH1H471J	CHIP C	470PF	J	
C357			CK73GB1C104K	CHIP C	0.10UF	K	
C358,359			CK73GB1H102K	CHIP C	1000PF	K	
C360			CC73GCH1H101J	CHIP C	100PF	J	
C361			C92-0628-05	CHIP-TAN	10UF	10WV	
C392,393			C92-0675-05	ELECTRO	4.7UF	25WV	
C400			CC73GCH1H471J	CHIP C	470PF	J	
C401			CK73GB1C104K	CHIP C	0.10UF	K	
C402			CK73EB1C225K	CHIP C	2.2UF	K	
C403-407			CK73GB1H103K	CHIP C	0.010UF	K	
C408-413			CK73GB1H102K	CHIP C	1000PF	K	
C414			CC73GCH1H221J	CHIP C	220PF	J	
C500			CK73GB1H103K	CHIP C	0.010UF	K	
C501			C92-0606-05	CHIP-TAN	4.7UF	10WV	

VIDEO CONTROL UNIT (X14-634X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
CN1		*	E41-0022-05	PIN ASSY	
CN2		*	E56-0836-05	CYLINDRICAL RECEPTACLE	
CN200		*	E58-0899-05	RECTANGULAR RECEPTACLE	
CN201			E40-5737-05	PIN ASSY	
CN202			E40-3239-05	PIN ASSY	
CN203		*	E41-0032-05	FLAT CABLE CONNECTOR	
CN204		*	E41-0108-05	FLAT CABLE CONNECTOR	
CN500		*	E41-0107-05	FLAT CABLE CONNECTOR	
J200			E58-0886-05	RECTANGULAR RECEPTACLE	
L5			L40-1001-78	SMALL FIXED INDUCTOR (10UH)	
L5		*	L40-1001-93	SMALL FIXED INDUCTOR	
L6 -10		*	L92-0330-05	CHIP FERRITE	
L12			L40-1001-78	SMALL FIXED INDUCTOR (10UH)	
L12		*	L40-1001-93	SMALL FIXED INDUCTOR	
L14 -16		*	L92-0330-05	CHIP FERRITE	
L18		*	L92-0330-05	CHIP FERRITE	
L19		*	L92-0315-05	CHIP FERRITE	
L21		*	L92-0330-05	CHIP FERRITE	
L22 ,23			L40-1001-78	SMALL FIXED INDUCTOR (10UH)	
L22 ,23		*	L40-1001-93	SMALL FIXED INDUCTOR	
L25		*	L40-1001-78	SMALL FIXED INDUCTOR (10UH)	
L25		*	L40-1001-93	SMALL FIXED INDUCTOR	
L201		*	L33-1177-05	CHOKE COIL (22UH)	
L202		*	L33-1176-05	CHOKE COIL	
L203		*	L33-1177-05	CHOKE COIL (22UH)	
L204		*	L33-1166-05	CHOKE COIL (100UH)	
L205		*	L92-0319-05	CHIP FERRITE	
L206,207		*	L33-1177-05	CHOKE COIL (22UH)	
L208		*	L33-1176-05	CHOKE COIL	
L209		*	L33-1166-05	CHOKE COIL (100UH)	
L210-222		*	L92-0319-05	CHIP FERRITE	
L223-226		*	L72-0780-05	CERAMIC FILTER	
L228		*	L92-0319-05	CHIP FERRITE	
L231-233		*	L92-0326-05	CHIP FERRITE	
L234		*	L92-0330-05	CHIP FERRITE	
X1		*	L77-2770-05	CRYSTAL RESONATOR (7.08MHZ)	
X200			L78-0533-05	RESONATOR (32.768KHZ)	
X201			L78-0575-05	RESONATOR (12.58MHZ)	
X202		*	L77-2770-05	CRYSTAL RESONATOR (7.08MHZ)	
CP1 -6			R90-0714-05	MULTI-COMP 10K X4	
CP7 -9			R90-1017-05	MULTI-COMP 68 X4	
CP10			R90-1014-05	MULTI-COMP 100 X4	
CP11			R90-1017-05	MULTI-COMP 68 X4	
CP12			R90-1014-05	MULTI-COMP 100 X4	
CP13,14			R90-1017-05	MULTI-COMP 68 X4	
CP15			R90-1014-05	MULTI-COMP 100 X4	
CP16-21			R90-0714-05	MULTI-COMP 10K X4	
CP22			R90-1017-05	MULTI-COMP 68 X4	
CP23			R90-1014-05	MULTI-COMP 100 X4	
CP24			R90-0724-05	MULTI-COMP 1K X4	
CP25-28			R90-0714-05	MULTI-COMP 10K X4	
CP29-34			R90-1033-05	MULTI-COMP 22 X4	
CP200			R90-1014-05	MULTI-COMP 100 X4	
CP201			R90-1019-05	MULTI-COMP 100 X2	

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VIDEO CONTROL UNIT (X14-634X-XX)

Ref. No.	Add	New	Parts No.	Description			Destination
CP202-207			R90-1014-05	MULTI-COMP	100	X4	
CP208			R90-0714-05	MULTI-COMP	10K	X4	
CP209			R90-1019-05	MULTI-COMP	100	X2	
CP210			R90-0725-05	MULTI-COMP	1K	X2	
CP211			R90-0724-05	MULTI-COMP	1K	X4	
CP212-221			R90-1014-05	MULTI-COMP	100	X4	
R1 -2			RK73GB1J103J	CHIP R	10K	J 1/16W	
R3			RK73GB1J224J	CHIP R	220K	J 1/16W	
R4			RK73GB1J101J	CHIP R	100	J 1/16W	
R5 -7			R92-1252-05	CHIP R	0 OHM		
R8			RK73GB1J152J	CHIP R	1.5K	J 1/16W	
R9 ,10			RK73GB1J220J	CHIP R	22	J 1/16W	
R11 ,12			RK73GB1J104J	CHIP R	100K	J 1/16W	
R15			RK73GB1J101J	CHIP R	100	J 1/16W	
R16			RK73GB1J151J	CHIP R	150	J 1/16W	
R17			RK73GB1J101J	CHIP R	100	J 1/16W	
R18			RK73GB1J151J	CHIP R	150	J 1/16W	
R19 ,20			RK73GB1J681J	CHIP R	680	J 1/16W	
R21 -24			RK73GB1J220J	CHIP R	22	J 1/16W	
R25 ,26			RK73GB1J151J	CHIP R	150	J 1/16W	
R27 -30			RK73GB1J104J	CHIP R	100K	J 1/16W	
R31 ,32			RK73GB1J203J	CHIP R	20K	J 1/16W	
R33 ,34			RK73GB1J222J	CHIP R	2.2K	J 1/16W	
R35			RK73GB1J103J	CHIP R	10K	J 1/16W	
R36 ,37			RK73GB1J220J	CHIP R	22	J 1/16W	
R38 ,39			RK73GB1J101J	CHIP R	100	J 1/16W	
R40			RK73GB1J103J	CHIP R	10K	J 1/16W	
R42			RK73GB1J302J	CHIP R	3.0K	J 1/16W	
R43			RK73GB1J151J	CHIP R	150	J 1/16W	
R44			RK73GB1J201J	CHIP R	200	J 1/16W	
R45			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R46			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R47 -49			RK73GB1J103J	CHIP R	10K	J 1/16W	
R50			RK73GB1J470J	CHIP R	47	J 1/16W	
R51			RK73GB1J103J	CHIP R	10K	J 1/16W	
R52 -54			RK73GB1J750J	CHIP R	75	J 1/16W	
R55			RK73GB1J103J	CHIP R	10K	J 1/16W	
R56 -58			RK73GB1J220J	CHIP R	22	J 1/16W	
R59			R92-1252-05	CHIP R	0 OHM		
R60		*	RN73GH1J471D	CHIP R	470	D 1/16W	
R61 ,62			RK73GB1J103J	CHIP R	10K	J 1/16W	
R63 ,64			RK73GB1J104J	CHIP R	100K	J 1/16W	
R65			R92-1252-05	CHIP R	0 OHM		
R66			RK73GB1J220J	CHIP R	22	J 1/16W	
R67			RK73GB1J183J	CHIP R	18K	J 1/16W	
R68			RK73GB1J4R7J	CHIP R	4.7	J 1/16W	
R69			RK73GB1J470J	CHIP R	47	J 1/16W	
R71			RK73GB1J470J	CHIP R	47	J 1/16W	
R72 ,73			RK73GB1J124J	CHIP R	120K	J 1/16W	
R74 ,75			RK73GB1J103J	CHIP R	10K	J 1/16W	
R76			RK73GB1J511J	CHIP R	510	J 1/16W	
R77 ,78			RK73GB1J103J	CHIP R	10K	J 1/16W	
R79			RK73GB1J511J	CHIP R	510	J 1/16W	
R80 ,81			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R82			RK73GB1J103J	CHIP R	10K	J 1/16W	

Ref. No.	Add	New	Parts No.	Description			Destination
R83 ,84			RK73GB1J154J	CHIP R	150K	J 1/16W	
R85			RK73GB1J273J	CHIP R	27K	J 1/16W	
R86			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R87			RK73GB1J391J	CHIP R	390	J 1/16W	
R88 ,89			RK73GB1J104J	CHIP R	100K	J 1/16W	
R90			RK73EB2B391J	CHIP R	390	J 1/8W	
R91			RK73GB1J152J	CHIP R	1.5K	J 1/16W	
R92			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R93 -95		*	RN73GH1J151D	CHIP R	150	D 1/16W	
R96			RK73FB2A750J	CHIP R	75	J 1/10W	
R97		*	RN73GH1J151D	CHIP R	150	D 1/16W	
R98 ,99			RK73GB1J103J	CHIP R	10K	J 1/16W	
R100-102			RK73GB1J470J	CHIP R	47	J 1/16W	
R103			RK73GB1J103J	CHIP R	10K	J 1/16W	
R105			RK73GB1J470J	CHIP R	47	J 1/16W	
R112			RK73GB1J103J	CHIP R	10K	J 1/16W	
R120			RK73GB1J101J	CHIP R	100	J 1/16W	
R121			RK73GB1J4R7J	CHIP R	4.7	J 1/16W	
R126			RK73GB1J103J	CHIP R	10K	J 1/16W	
R130			R92-1252-05	CHIP R	0 OHM		
R200			RK73GB1J123J	CHIP R	12K	J 1/16W	
R201		*	R92-3270-05	CHIP R	3.3K	J 1/2W	
R202			RK73GB1J183J	CHIP R	18K	J 1/16W	
R203			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R204			RK73GB1J393J	CHIP R	39K	J 1/16W	
R205			RK73GB1J473J	CHIP R	47K	J 1/16W	
R206			RK73GB1J223J	CHIP R	22K	J 1/16W	
R207			RK73EB2B472J	CHIP R	4.7K	J 1/8W	
R208			RK73GB1J104J	CHIP R	100K	J 1/16W	
R209			RK73GB1J473J	CHIP R	47K	J 1/16W	
R210			RK73GB1J183J	CHIP R	18K	J 1/16W	
R211,212			RK73GB1J223J	CHIP R	22K	J 1/16W	
R213			RK73GB1J104J	CHIP R	100K	J 1/16W	
R214			RK73GB1J363J	CHIP R	36K	J 1/16W	
R215,216			RK73GB1J473J	CHIP R	47K	J 1/16W	
R217,218			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R219-222			RK73EB2B102J	CHIP R	1.0K	J 1/8W	
R223,224			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R225			RK73GB1J224J	CHIP R	220K	J 1/16W	
R226			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R227			RK73GB1J473J	CHIP R	47K	J 1/16W	
R228			RK73GB1J103J	CHIP R	10K	J 1/16W	
R229			R92-0365-05	CHIP R	1.0K	J 1/2W	
R230			RK73GB1J104J	CHIP R	100K	J 1/16W	
R231,232			RK73GB1J103J	CHIP R	10K	J 1/16W	
R233			RK73GB1J392J	CHIP R	3.9K	J 1/16W	
R234,235			RK73GB1J473J	CHIP R	47K	J 1/16W	
R236			RK73GB1J103J	CHIP R	10K	J 1/16W	
R237			RK73GB1J104J	CHIP R	100K	J 1/16W	
R238			RK73GB1J103J	CHIP R	10K	J 1/16W	
R239			RK73GB1J392J	CHIP R	3.9K	J 1/16W	
R240			RK73GB1J104J	CHIP R	100K	J 1/16W	
R241,242			RK73GB1J303J	CHIP R	30K	J 1/16W	
R243			RK73GB1J104J	CHIP R	100K	J 1/16W	
R244			RK73GB1J752J	CHIP R	7.5K	J 1/16W	

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

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PARTS LIST

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VIDEO CONTROL UNIT (X14-634X-XX)

Ref. No.	Add	New	Parts No.	Description			Destination
R245			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R246			R92-0686-05	CHIP R	33	J 1/2W	
R247			RK73GB1J104J	CHIP R	100K	J 1/16W	
R248			RK73GB1J303J	CHIP R	30K	J 1/16W	
R249			RK73GB1J104J	CHIP R	100K	J 1/16W	
R250			RK73GB1J303J	CHIP R	30K	J 1/16W	
R251			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R252			R92-1280-05	CHIP R	390	J 1/2W	
R253,254			RK73GB1J101J	CHIP R	100	J 1/16W	
R255		*	RN73GH1J363D	CHIP R	36K	D 1/16W	
R256			RN73GH1J223D	CHIP R	22K	D 1/16W	
R257			RN73GH1J513D	CHIP R	51K	D 1/16W	
R258		*	RN73GH1J123D	CHIP R	12K	D 1/16W	
R259			RK73GB1J104J	CHIP R	100K	J 1/16W	
R260			RK73GB1J303J	CHIP R	30K	J 1/16W	
R261			RK73GB1J104J	CHIP R	100K	J 1/16W	
R262			RK73GB1J303J	CHIP R	30K	J 1/16W	
R263			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R264			RK73GB1J104J	CHIP R	100K	J 1/16W	
R265			RK73GB1J303J	CHIP R	30K	J 1/16W	
R266			RK73GB1J104J	CHIP R	100K	J 1/16W	
R267			RK73GB1J303J	CHIP R	30K	J 1/16W	
R268			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R269			RK73GB1J101J	CHIP R	100	J 1/16W	
R270			R92-1280-05	CHIP R	390	J 1/2W	
R271			RK73GB1J101J	CHIP R	100	J 1/16W	
R272			R92-0686-05	CHIP R	33	J 1/2W	
R273			RN73GH1J683D	CHIP R	68K	D 1/16W	
R274			RN73GH1J123D	CHIP R	12K	D 1/16W	
R275			RN73GH1J473D	CHIP R	47K	D 1/16W	
R276		*	RN73GH1J133D	CHIP R	13K	D 1/16W	
R277			RN73GH1J562D	CHIP R	5.6K	D 1/16W	
R278-280			RK73GB1J103J	CHIP R	10K	J 1/16W	
R282			R92-1252-05	CHIP R	0 OHM		
R283			RK73GB1J303J	CHIP R	30K	J 1/16W	
R284,285			RK73GB1J154J	CHIP R	150K	J 1/16W	
R286			RK73GB1J100J	CHIP R	10	J 1/16W	
R287			RK73GB1J103J	CHIP R	10K	J 1/16W	
R288			RK73GB1J123J	CHIP R	12K	J 1/16W	
R289			RK73GB1J473J	CHIP R	47K	J 1/16W	
R291,292			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R293			RK73GB1J244J	CHIP R	240K	J 1/16W	
R294			RK73GB1J224J	CHIP R	220K	J 1/16W	
R295			RK73GB1J124J	CHIP R	120K	J 1/16W	
R296			RK73GB1J623J	CHIP R	62K	J 1/16W	
R297,298			RK73GB1J220J	CHIP R	22	J 1/16W	
R299			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R300-302			RK73GB1J221J	CHIP R	220	J 1/16W	
R303			RK73GB1J622J	CHIP R	6.2K	J 1/16W	
R304			RK73GB1J302J	CHIP R	3.0K	J 1/16W	
R305			RK73GB1J473J	CHIP R	47K	J 1/16W	
R306			RK73GB1J101J	CHIP R	100	J 1/16W	
R307			RK73GB1J681J	CHIP R	680	J 1/16W	
R308			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R309,310			RK73GB1J222J	CHIP R	2.2K	J 1/16W	

Ref. No.	Add	New	Parts No.	Description			Destination
R311			RK73GB1J101J	CHIP R	100	J 1/16W	
R312,313			RK73GB1J562J	CHIP R	5.6K	J 1/16W	
R314			RK73GB1J470J	CHIP R	47	J 1/16W	
R315			RK73GB1J392J	CHIP R	3.9K	J 1/16W	
R316			RK73GB1J473J	CHIP R	47K	J 1/16W	
R317			RK73GB1J104J	CHIP R	100K	J 1/16W	
R318,319			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R320			RK73GB1J223J	CHIP R	22K	J 1/16W	
R321			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R322			RK73GB1J473J	CHIP R	47K	J 1/16W	
R323			RK73GB1J684J	CHIP R	680K	J 1/16W	
R324,325			RK73GB1J473J	CHIP R	47K	J 1/16W	
R326			RK73GB1J913J	CHIP R	91K	J 1/16W	KREW
R326,327			RK73GB1J913J	CHIP R	91K	J 1/16W	H
R327			RK73GB1J913J	CHIP R	91K	J 1/16W	MCX
R328			RK73GB1J913J	CHIP R	91K	J 1/16W	EW
R329			RK73GB1J913J	CHIP R	91K	J 1/16W	MCX
R330			RK73GB1J913J	CHIP R	91K	J 1/16W	EW
R330,331			RK73GB1J913J	CHIP R	91K	J 1/16W	KR
R331			RK73GB1J913J	CHIP R	91K	J 1/16W	MCH
R331			RK73GB1J913J	CHIP R	91K	J 1/16W	X
R332			RK73GB1J104J	CHIP R	100K	J 1/16W	
R333			RK73GB1J473J	CHIP R	47K	J 1/16W	
R334			RK73GB1J201J	CHIP R	200	J 1/16W	
R335			RK73GB1J302J	CHIP R	3.0K	J 1/16W	
R337			RK73GB1J471J	CHIP R	470	J 1/16W	
R338			RK73GB1J470J	CHIP R	47	J 1/16W	
R339			RK73GB1J104J	CHIP R	100K	J 1/16W	
R340			RK73GB1J101J	CHIP R	100	J 1/16W	
R341			RK73GB1J104J	CHIP R	100K	J 1/16W	
R342			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R343,344			RK73GB1J100J	CHIP R	10	J 1/16W	
R345			RK73GB1J473J	CHIP R	47K	J 1/16W	
R346			RK73GB1J100J	CHIP R	10	J 1/16W	
R347,348			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R349			RK73GB1J100J	CHIP R	10	J 1/16W	
R350-353			RK73GB1J750J	CHIP R	75	J 1/16W	
R354-356			RK73GB1J222J	CHIP R	2.2K	J 1/16W	
R357-359			RK73GB1J101J	CHIP R	100	J 1/16W	
R360			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R361-365			RK73GB1J473J	CHIP R	47K	J 1/16W	
R366,367			RK73GB1J103J	CHIP R	10K	J 1/16W	
R368			RK73GB1J471J	CHIP R	470	J 1/16W	
R369			RK73FB2A102J	CHIP R	1.0K	J 1/10W	
R370,371			RK73GB1J221J	CHIP R	220	J 1/16W	
R372-374			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R375			RK73GB1J101J	CHIP R	100	J 1/16W	
R377,378			RK73GB1J101J	CHIP R	100	J 1/16W	
R379			RK73GB1J471J	CHIP R	470	J 1/16W	
R380			RN73GH1J332D	CHIP R	3.3K	D 1/16W	
R381			RK73GB1J272J	CHIP R	2.7K	J 1/16W	
R382-384			RK73GB1J473J	CHIP R	47K	J 1/16W	
R385			RK73GB1J101J	CHIP R	100	J 1/16W	
R401			RK73GB1J104J	CHIP R	100K	J 1/16W	
R402			RK73GB1J473J	CHIP R	47K	J 1/16W	

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Ref. No.	Add	New	Parts No.	Description	Destination
R403			RK73GB1J101J	CHIP R 100 J 1/16W	
R500			RK73FB2A151J	CHIP R 150 J 1/10W	
R501			RK73FB2A221J	CHIP R 220 J 1/10W	
R502,503			RK73FB2A391J	CHIP R 390 J 1/10W	
R504			RK73FB2A331J	CHIP R 330 J 1/10W	
R510-513			RK73GB1J104J	CHIP R 100K J 1/16W	
R514			RK73FB2A151J	CHIP R 150 J 1/10W	
R515			RK73GB1J101J	CHIP R 100 J 1/16W	
VR1		*	R32-0258-05	SEMI FIXED VARIABLE RESI.(330)	
W200-202			R92-2052-05	CHIP R 0 J 1/10W	
W500			R92-2052-05	CHIP R 0 J 1/10W	KRMC
W500			R92-2052-05	CHIP R 0 J 1/10W	HX
W501,502			R92-2052-05	CHIP R 0 J 1/10W	EW
W503			R92-2052-05	CHIP R 0 J 1/10W	KRMC
W503			R92-2052-05	CHIP R 0 J 1/10W	HX
S200			S62-0863-05	SLIDE SWITCH	EW
S500-502			S70-0841-05	TACT SWITCH	
S503,504			S70-0826-05	TACT SWITCH	
S505-508			S70-0841-05	TACT SWITCH	
BZ200			T95-0228-05	PIEZOELECTRIC VIBRATOR	
D1 -2			DA204U	DIODE	
D3			AD1580ART-REEL	ZENER DIODE	
D4			HZM3.9N(B)	ZENER DIODE	
D5			DA204U	DIODE	
D6			AVRM1608270MAB	VARISTOR	
D200			DAP202U	DIODE	
D201			1SR154-400	DIODE	
D202,203			RD6.8M(B2)	ZENER DIODE	
D204			RB491D	DIODE	
D205			1SR154-400	DIODE	
D206		*	D3F60	DIODE	
D207-210			RB051L-40	DIODE	
D211			RB491D	DIODE	
D212			MA3056WA	ZENER DIODE	
D213			DA204U	DIODE	
D214			RB491D	DIODE	
D215			MA3091-M	ZENER DIODE	
D217			DA227	DIODE	
D219			DAP202U	DIODE	
D220-225			DA204U	DIODE	
D226			DAP202U	DIODE	
D227-229			DA204U	DIODE	
D230-232			MA3056WA	ZENER DIODE	
D233			DAP202U	DIODE	
IC1		*	TC74VHCT125AFT	MOS-IC	
IC3			TC9246F	MOS-IC	
IC4			TC74LCX16244AF	MOS-IC	
IC6		*	HY57V16160DTC8	MEMORY IC	
IC7		*	TC74LCX74FT	MOS-IC	
IC8			TA48M025F	ANALOGUE IC	
IC9		*	L64021H-G11	MOS-IC	
IC10		*	HD6417040AFI28	MI-COM IC	
IC11		*	NJU7222U33	ANALOGUE IC	
IC12		*	AK4353VF	MOS-IC	

VIDEO CONTROL UNIT (X14-634X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
IC13		*	PLL1700E	MOS-IC	
IC14		*	LHF40V13-0N3	MEMORY IC	
IC15		*	MSM5118165B60T	MEMORY IC	
IC16		*	ADV7170KSU	MOS-IC	
IC17		*	NJU7222U50	ANALOGUE IC	
IC18,19		*	NJM4565V	ANALOGUE IC	
IC20		*	AN7708SP	ANALOGUE IC	
IC21			NJM2267V	ANALOGUE IC	
IC22		*	TC74LCX245FT	MOS-IC	
IC23		*	TC74LCX16244AF	MOS-IC	
IC24		*	NJU7222U50	ANALOGUE IC	
IC25		*	S-80942ANMP	ANALOGUE IC	
IC26			TC7W00FU	MOS-IC	
IC27		*	NJM4565V	ANALOGUE IC	
IC28			TC7SH04F	MOS-IC	
IC29,30			TC4W66FU	MOS-IC	
IC200			TA78DS05AF	ANALOGUE IC	
IC201		*	NJM2403V	ANALOGUE IC	
IC202,203		*	BA9743AFV	ANALOGUE IC	
IC205		*	NJM4565V	IC(OP AMP X2)	
IC206			BA3830F	ANALOGUE IC	
IC207			PST9137NR	ANALOGUE IC	
IC208			MM1234XFBE	ANALOGUE IC	
IC209			MM1389XFBE	ANALOGUE IC	
IC210			BU3616K	MOS-IC	
IC211			NJM2235M	ANALOGUE IC	
IC212			HA12187FP	ANALOGUE IC	
IC213		*	MSM5118165B60T	MEMORY IC	
IC214			HD64412F	MOS-IC	
IC215			TC7SHU04F	MOS-IC	
IC216			TC7W04FU	MOS-IC	
IC217		*	703035AGC-013	MI-COM IC	
IC218		*	MSM531622F76TS	MEMORY IC	
IC219			TC9246F	MOS-IC	
IC220		*	**********	E2PROM IC	
IC221			M62354FP	MOS-IC	
IC222		*	TA8428F	ANALOGUE IC	
IC223		*	TC74VHCT08AF	MOS-IC	
IC224			TC7WH123FU	ANALOGUE IC	
IC225		*	LC351016AT-70U	SRAM IC	
IC226			MSM514265CP-60	MEMORY IC	
IC227		*	HD6417041AFI28	MI-COM IC	
IC229			TC7SHU04F	IC	
IC500			RS-141	ANALOGUE IC	
Q1			2SC3437	TRANSISTOR	
Q4			2SC4081	TRANSISTOR	
Q5			DTC124EUA	DIGITAL TRANSISTOR	
Q200			DTA124EUA	DIGITAL TRANSISTOR	
Q201			2SC4081	TRANSISTOR	
Q202			DTC124EUA	DIGITAL TRANSISTOR	
Q203			2SC4081	TRANSISTOR	
Q204			DTC144EUA	DIGITAL TRANSISTOR	
Q205-208			2SA1576A	TRANSISTOR	
Q209		*	2SA2013	TRANSISTOR	
Q210			2SB1203-FA	TRANSISTOR	

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Ref. No.	Add	New	Parts No.	Description			Destination
Q211		*	2SA2013	TRANSISTOR			
Q212			2SB1203-FA	TRANSISTOR			
Q213			FMG2	DIGITAL TRANSISTOR			
Q214			FMA2	TRANSISTOR			
Q215,216			DTC144EUA	DIGITAL TRANSISTOR			
Q217			DTA114EUA	DIGITAL TRANSISTOR			
Q218			DTC144EUA	DIGITAL TRANSISTOR			
Q219			2SD2114K	TRANSISTOR			
Q220			DTA144EUA	DIGITAL TRANSISTOR			
Q221			DTC144EUA	DIGITAL TRANSISTOR			
Q225,226			2SD2114K	TRANSISTOR			
Q227			DTC124EUA	DIGITAL TRANSISTOR			
Q228			DTA124EUA	DIGITAL TRANSISTOR			
Q229,230			DTC124EUA	DIGITAL TRANSISTOR			
Q231		*	2SC5566	TRANSISTOR			
Q232		*	2SA2013	TRANSISTOR			
Q233			DTC124EUA	DIGITAL TRANSISTOR			
Q234			2SA1576A	TRANSISTOR			
Q235-239			2SC4081	TRANSISTOR			
Q240			DTC124EUA	DIGITAL TRANSISTOR			
Q255			DTA124EUA	DIGITAL TRANSISTOR			
Q256-260			DTC124EUA	DIGITAL TRANSISTOR			
Q261		*	2SJ377	FET			
Q262			2SC4081	TRANSISTOR			
Q500			DTC124EUA	DIGITAL TRANSISTOR			
IC228			W02-3152-05	OSCILLATING MODULE			
X2		*	W02-3268-05	OSCILLATING MODULE (27.00M)			
ELECTRIC UNIT (X25-862X-XX)							
C100			CK73GB1C104K	CHIP C	0.10UF	K	
C101			CK73GB1C683K	CHIP C	0.068UF	K	
C102			CE04DW1H3R3M	ELECTRO	3.3UF	50WV	
C103			CE04DW1E4R7M	ELECTRO	4.7UF	25WV	
C104			CK73GB1H103K	CHIP C	0.010UF	K	
C105			C90-2682-05	ELECTRO	47UF	16WV	
C106			CE04DW1C101M	ELECTRO	100UF	16WV	
C107-110			CK73EB1C225K	CHIP C	2.2UF	K	
C111			CE04DW1C220M	ELECTRO	22UF	16WV	
C112			CK73GB1E223K	CHIP C	0.022UF	K	
C113			CK73GB1H103K	CHIP C	0.010UF	K	
C114			CE04DW1H100M	ELECTRO	10UF	50WV	
C300,301			CC73GCH1H220J	CHIP C	22PF	J	
C302,303			CK73GB1H103K	CHIP C	0.010UF	K	
C304			CK73GB1E223K	CHIP C	0.022UF	K	
C305			CK73GB1H103K	CHIP C	0.010UF	K	
C306			CK73GB1C104K	CHIP C	0.10UF	K	
C307			CK73GB1H102K	CHIP C	1000PF	K	
C308			CK73FB1A105K	CHIP C	1.0UF	K	
C308			CK73FB1C105K	CHIP C	1.0UF	K	
C309-312			CK73GB1H103K	CHIP C	0.010UF	K	
C313-316			CK73GB1C104K	CHIP C	0.10UF	K	
C317			CK73GB1H103K	CHIP C	0.010UF	K	
C500			CE04DW1H100M	ELECTRO	10UF	50WV	
C501			CK73GB1A224K	CHIP C	0.22UF	K	
C502			C90-2672-05	ELECTRO	100UF	10WV	

VIDEO CONTROL UNIT (X14-634X-XX)

Ref. No.	Add	New	Parts No.	Description			Destination
C503-505			CK73GB1A224K	CHIP C	0.22UF	K	
C506			C90-5308-05	ELECTRO	1.0UF	50WV	
C507			CE04DW1H3R3M	ELECTRO	3.3UF	50WV	
C511,512			CK73GB1C104K	CHIP C	0.10UF	K	
C513			CE04DW1H010M	ELECTRO	1.0UF	50WV	
C514-517			CK73FB1C274K	CHIP C	0.27UF	K	
C518			CK73GB1H103K	CHIP C	0.010UF	K	
C519-522			CK73FB1C274K	CHIP C	0.27UF	K	
C523,524			CE04DW1A330M	ELECTRO	33UF	10WV	
C525			CE04DW1A101M	ELECTRO	100UF	10WV	
C526-529			CK73EB1C225K	CHIP C	2.2UF	K	
C530			CK73GB1C104K	CHIP C	0.10UF	K	
C531,532			CK73EB1C225K	CHIP C	2.2UF	K	
C533			CK73GB1H103K	CHIP C	0.010UF	K	
C535			CE04DW1H010M	ELECTRO	1.0UF	50WV	
C536			CK73GB1H103K	CHIP C	0.010UF	K	
C537			CK73GB1C104K	CHIP C	0.10UF	K	
C538			CK73GB1E223K	CHIP C	0.022UF	K	
C539			CE04DW1A330M	ELECTRO	33UF	10WV	
C540			CC73GCH1H220J	CHIP C	22PF	J	
C541			CK73GB1H103K	CHIP C	0.010UF	K	
C542			CE04DW1C100M	ELECTRO	10UF	16WV	
C543			CE04DW0J470M	ELECTRO	47UF	6.3WV	
C544			CK73GB1H103K	CHIP C	0.010UF	K	
C545			CE04NW1C100M	ELECTRO	10UF	16WV	
C546			CE04DW1C100M	ELECTRO	10UF	16WV	
C547			CK73GB1C104K	CHIP C	0.10UF	K	
C548,549			CE04DW1C100M	ELECTRO	10UF	16WV	
C550			CK73GB1C104K	CHIP C	0.10UF	K	
C551			CK73FB1A105K	CHIP C	1.0UF	K	
C551			CK73FB1C105K	CHIP C	1.0UF	K	
C552			CK73GB1H153K	CHIP C	0.015UF	K	
C553,554			CK73FB1A105K	CHIP C	1.0UF	K	
C553,554			CK73FB1C105K	CHIP C	1.0UF	K	
C555			CE04DW1E4R7M	ELECTRO	4.7UF	25WV	
C556			CE04DW0J470M	ELECTRO	47UF	6.3WV	
C557			CE04DW1E4R7M	ELECTRO	4.7UF	25WV	
C558			CC73GCH1H220J	CHIP C	22PF	J	
C559			CK73GB1H103K	CHIP C	0.010UF	K	
C560,561			CE04DW1E4R7M	ELECTRO	4.7UF	25WV	
C562			CK73GB1H102K	CHIP C	1000PF	K	MCH
C562			CK73GB1H102K	CHIP C	1000PF	K	XEW
C563			CC73GCH1H471J	CHIP C	470PF	J	MCH
C563			CC73GCH1H471J	CHIP C	470PF	J	XEW
C564			CK73GB1H102K	CHIP C	1000PF	K	MCH
C564			CK73GB1H102K	CHIP C	1000PF	K	XEW
C565			CC73GCH1H121J	CHIP C	120PF	J	MCH
C565			CC73GCH1H121J	CHIP C	120PF	J	XEW
C566			CC73GCH1H180J	CHIP C	18PF	J	MCH
C566			CC73GCH1H180J	CHIP C	18PF	J	XEW
C567			CK73GB1H103K	CHIP C	0.010UF	K	KRME
C567			CK73GB1H103K	CHIP C	0.010UF	K	W
C568			CE04DW1C100M	ELECTRO	10UF	16WV	KRME
C568			CE04DW1C100M	ELECTRO	10UF	16WV	W
C569			CC73GCH1H271J	CHIP C	270PF	J	KRME

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ELECTRIC UNIT (X25-862X-XX)

Ref. No.	Add	New	Parts No.	Description			Destination
C569			CC73GCH1H271J	CHIP C	270PF	J	W
C570			CE04DW1C100M	ELECTRO	10UF	16WV	KRME
C570			CE04DW1C100M	ELECTRO	10UF	16WV	W
C571			CC73GCH1H471J	CHIP C	470PF	J	MCH
C571			CC73GCH1H471J	CHIP C	470PF	J	XEW
C572			CK73GB1H682K	CHIP C	6800PF	K	MCH
C572			CK73GB1H682K	CHIP C	6800PF	K	XEW
C573			CC73GCH1H820J	CHIP C	82PF	J	MCH
C573			CC73GCH1H820J	CHIP C	82PF	J	XEW
C574			CK73GB1H222K	CHIP C	2200PF	K	MCH
C574			CK73GB1H222K	CHIP C	2200PF	K	XEW
C575			CK73GB1H102K	CHIP C	1000PF	K	MCH
C575			CK73GB1H102K	CHIP C	1000PF	K	XEW
C576			CK73GB1H103K	CHIP C	0.010UF	K	
C577			CE04DW1C100M	ELECTRO	10UF	16WV	
C578			CK73GB1H103K	CHIP C	0.010UF	K	
C579			CK73FB1A105K	CHIP C	1.0UF	K	MCH
C579			CK73FB1A105K	CHIP C	1.0UF	K	XEW
C579			CK73FB1C105K	CHIP C	1.0UF	K	MCH
C579			CK73FB1C105K	CHIP C	1.0UF	K	XEW
C581			CK73GB1H103K	CHIP C	0.010UF	K	
C582			CC73GCH1H471J	CHIP C	470PF	J	MCH
C582			CC73GCH1H471J	CHIP C	470PF	J	XEW
C583			CK73GB1H103K	CHIP C	0.010UF	K	
C584			CE04DW1C100M	ELECTRO	10UF	16WV	
C585			CK73GB1E333K	CHIP C	0.033UF	K	
C586			CC73GCH1H151J	CHIP C	150PF	J	
C587			CC73GCH1H060D	CHIP C	6.0PF	D	MCH
C587			CC73GCH1H060D	CHIP C	6.0PF	D	XEW
C588			CE04DW1C100M	ELECTRO	10UF	16WV	MCH
C588			CE04DW1C100M	ELECTRO	10UF	16WV	XEW
C589			CK73GB1E223K	CHIP C	0.022UF	K	MCH
C589			CK73GB1E223K	CHIP C	0.022UF	K	XEW
C590,591			CC73GCH1H100D	CHIP C	10PF	D	KRME
C590,591			CC73GCH1H100D	CHIP C	10PF	D	W
C592-595			CK73GB1C104K	CHIP C	0.10UF	K	
C596			CK73GB1H103K	CHIP C	0.010UF	K	
C597,598			CK73FB1A105K	CHIP C	1.0UF	K	
C597,598			CK73FB1C105K	CHIP C	1.0UF	K	
C599,600			CC73GCH1H221J	CHIP C	220PF	J	MCH
C599,600			CC73GCH1H221J	CHIP C	220PF	J	XEW
C601			CK73GB1H152K	CHIP C	1500PF	K	MCH
C601			CK73GB1H152K	CHIP C	1500PF	K	XEW
C602,603			CK73FB1A105K	CHIP C	1.0UF	K	
C602,603			CK73FB1C105K	CHIP C	1.0UF	K	
C615			CC73GCH1H151J	CHIP C	150PF	J	
C700			C90-2673-05	ELECTRO	220UF	10WV	
C701			CK73GB1H103K	CHIP C	0.010UF	K	
C702			CK73GB1H102K	CHIP C	1000PF	K	
C703			C90-2672-05	ELECTRO	100UF	10WV	
C704			C90-2683-05	ELECTRO	100UF	16WV	
C705			C90-2759-05	ELECTRO	10UF	16WV	
C706			CK73GB1E223K	CHIP C	0.022UF	K	
C707			CK73GB1H103K	CHIP C	0.010UF	K	
C708			CE04DW0J101M	ELECTRO	100UF	6.3WV	

Ref. No.	Add	New	Parts No.	Description			Destination
C709			CK73GB1H102K	CHIP C	1000PF	K	
C710			C90-2856-05	ELECTRO	3900UF	16WV	
C711			CK73GB1E223K	CHIP C	0.022UF	K	
C712,713			CK73GB1H103K	CHIP C	0.010UF	K	
C714			CK73GB1C473K	CHIP C	0.047UF	K	
C715-717			CE04DW1C470M	ELECTRO	47UF	16WV	
C718			CE04NW1C470M	ELECTRO	47UF	16WV	
C719			CK73GB1H103K	CHIP C	0.010UF	K	
C720			CK73FB1A105K	CHIP C	1.0UF	K	
C720			CK73FB1C105K	CHIP C	1.0UF	K	
C721,722			C90-2673-05	ELECTRO	220UF	10WV	
C724-727			CE04DW1C470M	ELECTRO	47UF	16WV	
C728			CE04DW0J101M	ELECTRO	100UF	6.3WV	
C729-732			CK73GB1C104K	CHIP C	0.10UF	K	
C733,734			CK73GB1H103K	CHIP C	0.010UF	K	
C735-738			CE04DW1C470M	ELECTRO	47UF	16WV	
C739,740			CK73GB1H222K	CHIP C	2200PF	K	
C741,742			CE04DW1C470M	ELECTRO	47UF	16WV	
C743,744			CK73FB1A105K	CHIP C	1.0UF	K	
C743,744			CK73FB1C105K	CHIP C	1.0UF	K	
C745,746			CE04DW1C470M	ELECTRO	47UF	16WV	
C747			CE04DW1A101M	ELECTRO	100UF	10WV	
C748,749			CC73GCH1H220J	CHIP C	22PF	J	
C750-752			CK73GB1C104K	CHIP C	0.10UF	K	
C753			CK73GB1H103K	CHIP C	0.010UF	K	
C754			C90-2759-05	ELECTRO	10UF	16WV	
C755			CK73FB1A105K	CHIP C	1.0UF	K	
C755			CK73FB1C105K	CHIP C	1.0UF	K	
C756,757			CK73GB1H103K	CHIP C	0.010UF	K	
C758			CK73GB1C104K	CHIP C	0.10UF	K	
C759,760			CE04DW1C470M	ELECTRO	47UF	16WV	
C761			CE04NW1C470M	ELECTRO	47UF	16WV	
C762			CK73FB1A105K	CHIP C	1.0UF	K	
C762			CK73FB1C105K	CHIP C	1.0UF	K	
C763-765			CK73GB1C473K	CHIP C	0.047UF	K	
C766-769			CK73EB1C225K	CHIP C	2.2UF	K	
C770			CE04NW1C220M	ELECTRO	22UF	16WV	
C771,772			CE04DW0J331M	ELECTRO	330UF	6.3WV	
C773			CK73GB1C104K	CHIP C	0.10UF	K	
C776			CE04DW0J331M	ELECTRO	330UF	6.3WV	
C777,778			CK73GB1C104K	CHIP C	0.10UF	K	
C779			CK73FB1A105K	CHIP C	1.0UF	K	
C779			CK73FB1C105K	CHIP C	1.0UF	K	
C780			CE04DW1C100M	ELECTRO	10UF	16WV	
C781			CK73GB1A474K	CHIP C	0.47UF	K	
C783			CE04DW1C220M	ELECTRO	22UF	16WV	
C784			CK73FB1A105K	CHIP C	1.0UF	K	
C784			CK73FB1C105K	CHIP C	1.0UF	K	
C785			CK73GB1C104K	CHIP C	0.10UF	K	
C786,787			CK73EB1C225K	CHIP C	2.2UF	K	
C789			CK73FB1A105K	CHIP C	1.0UF	K	
C789			CK73FB1C105K	CHIP C	1.0UF	K	
C790			CE04DW0J331M	ELECTRO	330UF	6.3WV	
C791			CK73FB1A105K	CHIP C	1.0UF	K	
C791			CK73FB1C105K	CHIP C	1.0UF	K	

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ELECTRIC UNIT (X25-862X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
C794			CK73FB1A105K	CHIP C 1.0UF K	
C794			CK73FB1C105K	CHIP C 1.0UF K	
C796			CK73GB1A474K	CHIP C 0.47UF K	
C797			CK73FB1A105K	CHIP C 1.0UF K	
C797			CK73FB1C105K	CHIP C 1.0UF K	
C799			CK73FB1A105K	CHIP C 1.0UF K	
C799			CK73FB1C105K	CHIP C 1.0UF K	
C800			CK73GB1C104K	CHIP C 0.10UF K	
C801			CK73GB1A474K	CHIP C 0.47UF K	
C802-804			CK73FB1A105K	CHIP C 1.0UF K	
C802-804			CK73FB1C105K	CHIP C 1.0UF K	
C806			CE04DW1C100M	ELECTRO 10UF 16WV	
C808,809			CK73FB1A105K	CHIP C 1.0UF K	
C808,809			CK73FB1C105K	CHIP C 1.0UF K	
C810			CK73GB1A474K	CHIP C 0.47UF K	
C812,813			CK73FB1A105K	CHIP C 1.0UF K	
C812,813			CK73FB1C105K	CHIP C 1.0UF K	
C814			CK73GB1A474K	CHIP C 0.47UF K	
C816			CE04DW1C100M	ELECTRO 10UF 16WV	
C817			CE04DW1C220M	ELECTRO 22UF 16WV	
C820			CK73GB1H103K	CHIP C 0.010UF K	
C821			CE04DW1C100M	ELECTRO 10UF 16WV	
C822			CE04CW0J331M	ELECTRO 330UF 6.3WV	
C823			CK73GB1C104K	CHIP C 0.10UF K	
C825			CK73GB1H103K	CHIP C 0.010UF K	
C826			CE04NW1C220M	ELECTRO 22UF 16WV	
C828			CE04DW1C100M	ELECTRO 10UF 16WV	
C829			CE04NW0J221M	ELECTRO 220UF 6.3WV	
C830			CK73GB1H103K	CHIP C 0.010UF K	
C831-833			CK73GB1C104K	CHIP C 0.10UF K	
C834			CE04NW0J221M	ELECTRO 220UF 6.3WV	
C835-837			CK73GB1C104K	CHIP C 0.10UF K	
C838			CK73GB1H103K	CHIP C 0.010UF K	
C839			CK73GB1C104K	CHIP C 0.10UF K	
C840			CE04DW1C100M	ELECTRO 10UF 16WV	
C841			CK73GB1C104K	CHIP C 0.10UF K	
C842			CE04NW0J221M	ELECTRO 220UF 6.3WV	
C843			CK73GB1C104K	CHIP C 0.10UF K	
C844			CK73GB1C473K	CHIP C 0.047UF K	
C850			CK73GB1H103K	CHIP C 0.010UF K	
C851			CK73GB1C104K	CHIP C 0.10UF K	
C852			CE04DW1C100M	ELECTRO 10UF 16WV	
C853,854			CK73GB1H103K	CHIP C 0.010UF K	
C855			C90-2759-05	ELECTRO 10UF 16WV	
C856,857			CE04DW1A101M	ELECTRO 100UF 10WV	
C858			C90-2759-05	ELECTRO 10UF 16WV	
C859			CE04DW1A101M	ELECTRO 100UF 10WV	
C860,861			C90-2759-05	ELECTRO 10UF 16WV	
C862			CE04DW1A101M	ELECTRO 100UF 10WV	
C900			CK73GB1C104K	CHIP C 0.10UF K	
C901			CK73FB1C224K	CHIP C 0.22UF K	
C902			CK73GB1C104K	CHIP C 0.10UF K	
C903			CK73FB1A105K	CHIP C 1.0UF K	
C903			CK73FB1C105K	CHIP C 1.0UF K	

Ref. No.	Add	New	Parts No.	Description	Destination
CN30			E40-3640-05	PIN ASSY	
CN50,51			E40-9421-05	PIN ASSY	
CN52,53			E40-9423-05	SOCKET FOR PIN ASSY	
CN70			E40-9706-05	PIN ASSY	
CN71		*	E40-9656-05	FLAT CABLE CONNECTOR	
CN72			E40-3246-05	PIN ASSY	
J300			E58-0870-05	RECTANGULAR RECEPTACLE	
J500			E56-0825-05	CYLINDRICAL RECEPTACLE	
⚠ J700			E58-0836-05	RECTANGULAR RECEPTACLE	
J701		*	E63-0864-05	PIN JACK	
J702		*	E63-0865-05	PIN JACK	
J704		*	E63-0866-05	PIN JACK	
J705		*	E63-0867-05	PIN JACK	
J706			E56-0823-05	CYLINDRICAL RECEPTACLE	
J707			E56-0811-05	CYLINDRICAL RECEPTACLE	
P1 ,2			E23-0745-05	TERMINAL	
WH1			E30-4762-15	CORD WITH PLUG	
277	2D	*	F09-1274-05	FAN	
L100			L40-4795-34	SMALL FIXED INDUCTOR	
L101			L40-2205-34	SMALL FIXED INDUCTOR(22UH)	
L300,301			L92-0319-05	CHIP FERRITE	
L302			L40-4795-34	SMALL FIXED INDUCTOR	
L303-308			L92-0331-05	CHIP FERRITE	
L309-314			L92-0329-05	CHIP FERRITE	
L500			L92-0329-05	CHIP FERRITE	
L501-505			L40-4795-34	SMALL FIXED INDUCTOR	KRME
L501-505			L40-4795-34	SMALL FIXED INDUCTOR	W
L502-505			L40-4795-34	SMALL FIXED INDUCTOR	CHX
L506			L33-1001-05	SMALL FIXED INDUCTOR	
L507			L40-4795-34	SMALL FIXED INDUCTOR	
L508			L92-0329-05	CHIP FERRITE	
L601			L40-1095-34	SMALL FIXED INDUCTOR(1UH)	
L601			L40-1095-79	SMALL FIXED INDUCTOR(1UH)	
L603			L33-1123-05	LINE FILTER COIL	
L700			L92-0319-05	CHIP FERRITE	
⚠ L701			L33-1063-15	CHOKE COIL	
L702-707			L92-0329-05	CHIP FERRITE	
X301		*	L78-0574-15	RESONATOR	
X302			L78-0576-05	RESONATOR (6.29MHZ)	
X303			L78-0533-05	RESONATOR (32.768KHZ)	
X500			L77-2002-05	CRYSTAL RESONATOR	KRME
X500			L77-2002-05	CRYSTAL RESONATOR	W
X700			L78-0575-05	RESONATOR (12.58MHZ)	
N	2F		N35-3006-46	BINDING HEAD MACHINE SCREW	
P	3F		N35-3008-45	BINDING HEAD MACHINE SCREW	
Q	3F		N35-3020-46	BINDING HEAD MACHINE SCREW	
R	3F		N80-3008-46	PAN HEAD TAPTITE SCREW	
CP30			R90-0722-05	MULTI-COMP 2.2K X4	
CP31			R90-0724-05	MULTI-COMP 1K X4	
CP33			R90-1013-05	MULTI-COMP 2.2K X2	
CP34			R90-0737-05	MULTI-COMP 100K X2	
CP35			R90-0722-05	MULTI-COMP 2.2K X4	
CP36			R90-0737-05	MULTI-COMP 100K X2	

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Ref. No.	Add	New	Parts No.	Description	Destination
CP39,40			R90-0725-05	MULTI-COMP 1K X2	
CP41			R90-1013-05	MULTI-COMP 2.2K X2	CHX
CP41,42			R90-1013-05	MULTI-COMP 2.2K X2	KRME
CP41,42			R90-1013-05	MULTI-COMP 2.2K X2	W
CP43			R90-0737-05	MULTI-COMP 100K X2	CHX
CP70			R90-0725-05	MULTI-COMP 1K X2	
R81			RK73GB1J473J	CHIP R 47K J 1/16W	
R82 -85			RK73GB1J750J	CHIP R 75 J 1/16W	
R100,101			R92-0365-05	CHIP R 1.0K J 1/2W	
R102			RK73GB1J223J	CHIP R 22K J 1/16W	
R103			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R104			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R105			RK73GB1J104J	CHIP R 100K J 1/16W	
R106			RK73GB1J750J	CHIP R 75 J 1/16W	
R107			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R108			RK73GB1J470J	CHIP R 47 J 1/16W	
R109			RK73GB1J153J	CHIP R 15K J 1/16W	
R110			RK73GB1J163J	CHIP R 16K J 1/16W	
R111			RK73GB1J913J	CHIP R 91K J 1/16W	
R112			RK73GB1J563J	CHIP R 56K J 1/16W	
R113			RK73GB1J470J	CHIP R 47 J 1/16W	
R114			RK73GB1J103J	CHIP R 10K J 1/16W	
R115,116			RK73GB1J913J	CHIP R 91K J 1/16W	
R117			R92-0366-05	CHIP R 560 J 1W	KR
R118			RK73GB1J223J	CHIP R 22K J 1/16W	KR
R119			R92-1252-05	CHIP R 0 OHM	MCH
R119			R92-1252-05	CHIP R 0 OHM	XEW
R120			RK73GB1J472J	CHIP R 4.7K J 1/16W	KR
R300			RK73GB1J104J	CHIP R 100K J 1/16W	
R301			RK73GB1J684J	CHIP R 680K J 1/16W	
R302			RK73GB1J104J	CHIP R 100K J 1/16W	
R303-307			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R308			RK73GB1J222J	CHIP R 2.2K J 1/16W	MCH
R308			RK73GB1J222J	CHIP R 2.2K J 1/16W	XEW
R309			RK73GB1J223J	CHIP R 22K J 1/16W	
R310			RK73GB1J124J	CHIP R 120K J 1/16W	
R311			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R312			RK73GB1J273J	CHIP R 27K J 1/16W	
R313			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R314			RK73GB1J102J	CHIP R 1.0K J 1/16W	MCH
R314			RK73GB1J102J	CHIP R 1.0K J 1/16W	XEW
R315			RK73GB1J104J	CHIP R 100K J 1/16W	
R316			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R317			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R318			RK73GB1J104J	CHIP R 100K J 1/16W	
R319			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R320			RK73GB1J104J	CHIP R 100K J 1/16W	
R321,322			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R323			RK73GB1J473J	CHIP R 47K J 1/16W	
R324			RK73GB1J104J	CHIP R 100K J 1/16W	
R325			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R326			RK73GB1J473J	CHIP R 47K J 1/16W	
R327,328			RK73GB1J220J	CHIP R 22 J 1/16W	
R329			RK73GB1J101J	CHIP R 100 J 1/16W	
R330			RK73GB1J104J	CHIP R 100K J 1/16W	KRCH
R330			RK73GB1J104J	CHIP R 100K J 1/16W	X
R330,331			RK73GB1J104J	CHIP R 100K J 1/16W	MEW
R332			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R333			RK73GB1J104J	CHIP R 100K J 1/16W	
R334,335			RK73GB1J473J	CHIP R 47K J 1/16W	
R336,337			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R339			RK73GB1J104J	CHIP R 100K J 1/16W	CHX
R340			RK73GB1J104J	CHIP R 100K J 1/16W	MEW
R340,341			RK73GB1J104J	CHIP R 100K J 1/16W	KR
R341			RK73GB1J104J	CHIP R 100K J 1/16W	CHX
R342,343			RK73GB1J102J	CHIP R 1.0K J 1/16W	MCH
R342,343			RK73GB1J102J	CHIP R 1.0K J 1/16W	XEW
R344			RK73GB1J561J	CHIP R 560 J 1/16W	
R345			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R346-347			R92-1252-05	CHIP R 0 OHM	KR
R400,401			R92-1252-05	CHIP R 0 OHM	
R403,404			R92-1252-05	CHIP R 0 OHM	EW
R405,406			R92-1252-05	CHIP R 0 OHM	KRMC
R405,406			R92-1252-05	CHIP R 0 OHM	HX
R408,409			R92-1252-05	CHIP R 0 OHM	KR
R410			R92-1252-05	CHIP R 0 OHM	CHX
R411			R92-1252-05	CHIP R 0 OHM	
R500			RK73GB1J103J	CHIP R 10K J 1/16W	
R501			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R502			RK73GB1J101J	CHIP R 100 J 1/16W	
R503-505			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R506			RK73GB1J751J	CHIP R 750 J 1/16W	
R507			RK73GB1J154J	CHIP R 150K J 1/16W	
R508			RK73GB1J431J	CHIP R 430 J 1/16W	
R509			RK73GB1J221J	CHIP R 220 J 1/16W	
R510			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R511			RK73GB1J473J	CHIP R 47K J 1/16W	
R512			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R514			RK73GB1J204J	CHIP R 200K J 1/16W	
R515,516			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R517			RK73GB1J101J	CHIP R 100 J 1/16W	
R519			RK73GB1J101J	CHIP R 100 J 1/16W	
R520			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R521			RK73GB1J103J	CHIP R 10K J 1/16W	
R522			RK73GB1J473J	CHIP R 47K J 1/16W	
R523			RK73EB2B101J	CHIP R 100 J 1/8W	
R524,525			RK73GB1J473J	CHIP R 47K J 1/16W	
R526,527			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R528,529			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R530			RK73GB1J473J	CHIP R 47K J 1/16W	
R531			RK73GB1J101J	CHIP R 100 J 1/16W	
R532			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R533			RK73GB1J101J	CHIP R 100 J 1/16W	
R534			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R535			RK73EB2B222J	CHIP R 2.2K J 1/8W	
R536			RK73GB1J473J	CHIP R 47K J 1/16W	
R537			RK73EB2B222J	CHIP R 2.2K J 1/8W	
R538			RK73GB1J473J	CHIP R 47K J 1/16W	
R539			RK73EB2B101J	CHIP R 100 J 1/8W	
R540			RK73GB1J204J	CHIP R 200K J 1/16W	

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

⚠ indicates safety critical components.

PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.

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ELECTRIC UNIT (X25-862X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
R541			RK73EB2B101J	CHIP R 100 J 1/8W	
R542,543			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R544			RK73GB1J473J	CHIP R 47K J 1/16W	
R545			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R546			RK73GB1J562J	CHIP R 5.6K J 1/16W	MCH
R546			RK73GB1J562J	CHIP R 5.6K J 1/16W	XEW
R547			RK73GB1J222J	CHIP R 2.2K J 1/16W	MCH
R547			RK73GB1J222J	CHIP R 2.2K J 1/16W	XEW
R548,549			RK73GB1J103J	CHIP R 10K J 1/16W	MCH
R548,549			RK73GB1J103J	CHIP R 10K J 1/16W	XEW
R550			RK73GB1J272J	CHIP R 2.7K J 1/16W	MCH
R550			RK73GB1J272J	CHIP R 2.7K J 1/16W	XEW
R551,552			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R553			RK73GB1J333J	CHIP R 33K J 1/16W	MCH
R553			RK73GB1J333J	CHIP R 33K J 1/16W	XEW
R554,555			RK73GB1J223J	CHIP R 22K J 1/16W	
R556			RK73GB1J562J	CHIP R 5.6K J 1/16W	MCH
R556			RK73GB1J562J	CHIP R 5.6K J 1/16W	XEW
R557-559			RK73GB1J103J	CHIP R 10K J 1/16W	MCH
R557-559			RK73GB1J103J	CHIP R 10K J 1/16W	XEW
R560			RK73GB1J153J	CHIP R 15K J 1/16W	MCH
R560			RK73GB1J153J	CHIP R 15K J 1/16W	XEW
R561			RK73GB1J104J	CHIP R 100K J 1/16W	MCH
R561			RK73GB1J104J	CHIP R 100K J 1/16W	XEW
R562			RK73GB1J105J	CHIP R 1.0M J 1/16W	MCH
R562			RK73GB1J105J	CHIP R 1.0M J 1/16W	XEW
R562			R92-1252-05	CHIP R 0 OHM	KR
R563			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R564			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R565,566			RK73GB1J103J	CHIP R 10K J 1/16W	MCH
R565,566			RK73GB1J103J	CHIP R 10K J 1/16W	XEW
R567			RK73GB1J823J	CHIP R 82K J 1/16W	MCH
R567			RK73GB1J823J	CHIP R 82K J 1/16W	XEW
R568			RK73EB2B220J	CHIP R 22 J 1/8W	MCH
R568			RK73EB2B220J	CHIP R 22 J 1/8W	XEW
R570			RK73GB1J361J	CHIP R 360 J 1/16W	
R571			RK73GB1J473J	CHIP R 47K J 1/16W	
R572			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R573			RK73GB1J473J	CHIP R 47K J 1/16W	
R574			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R575			RK73GB1J361J	CHIP R 360 J 1/16W	
R576,577			RK73GB1J473J	CHIP R 47K J 1/16W	
R578,579			RK73GB1J361J	CHIP R 360 J 1/16W	
R580,581			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R582-585			RK73GB1J103J	CHIP R 10K J 1/16W	
R599			R92-1252-05	CHIP R 0 OHM	KR
R608,609			RK73GB1J103J	CHIP R 10K J 1/16W	
R610			RK73GB1J473J	CHIP R 47K J 1/16W	
R611,612			RK73GB1J103J	CHIP R 10K J 1/16W	
R700			RK73EB2B103J	CHIP R 10K J 1/8W	
R701			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R702,703			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R704			RK73GB1J223J	CHIP R 22K J 1/16W	
R705			RK73GB1J101J	CHIP R 100 J 1/16W	
R706		*	R92-3243-05	CARBON FILM RESISTOR	

Ref. No.	Add	New	Parts No.	Description	Destination
R707			RK73EB2B103J	CHIP R 10K J 1/8W	
R708			RK73GB1J473J	CHIP R 47K J 1/16W	
R709			RK73EB2B153J	CHIP R 15K J 1/8W	
R710			RK73GB1J223J	CHIP R 22K J 1/16W	
R712			RK73GB1J183J	CHIP R 18K J 1/16W	
R713			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R714			RK73GH1J273D	CHIP R 27K D 1/16W	
R715			RK73GB1J473J	CHIP R 47K J 1/16W	
R716			RK73GH1J472D	CHIP R 4.7K D 1/16W	
R717			RK73GB1J183J	CHIP R 18K J 1/16W	
R718-721			RK73GB1J361J	CHIP R 360 J 1/16W	
R722			RK73GB1J912J	CHIP R 9.1K J 1/16W	
R723-727			RK73GB1J223J	CHIP R 22K J 1/16W	
R728,729			R92-2041-05	CHIP R 47K D 1/10W	
R730			RK73EB2B221J	CHIP R 220 J 1/8W	
R731			R92-2063-05	CHIP R 680 J 1/2W	
R732			RK73GB1J153J	CHIP R 15K J 1/16W	
R733			RK73EB2B221J	CHIP R 220 J 1/8W	
R734-737			RK73GB1J223J	CHIP R 22K J 1/16W	
R738			R92-2046-05	CHIP R 4.3K D 1/10W	
R739-742			RK73GB1J104J	CHIP R 100K J 1/16W	
R743-746			RK73GB1J153J	CHIP R 15K J 1/16W	
R747,748			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R749,750			RK73GB1J223J	CHIP R 22K J 1/16W	
R751			RK73GB1J101J	CHIP R 100 J 1/16W	
R752,753			RK73GB1J223J	CHIP R 22K J 1/16W	
R754			RK73GB1J101J	CHIP R 100 J 1/16W	
R755-758			RK73GB1J820J	CHIP R 82 J 1/16W	
R759			RK73GB1J473J	CHIP R 47K J 1/16W	
R760			RK73GB1J104J	CHIP R 100K J 1/16W	
R761			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R762			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R763			RK73GB1J203J	CHIP R 20K J 1/16W	
R764,765			RK73GB1J103J	CHIP R 10K J 1/16W	
R766,767			RK73GB1J473J	CHIP R 47K J 1/16W	
R768,769			RK73GB1J361J	CHIP R 360 J 1/16W	
R770			R92-0686-05	CHIP R 33 J 1/2W	
R771			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R772			RK73GB1J104J	CHIP R 100K J 1/16W	
R773			RK73EB2B221J	CHIP R 220 J 1/8W	
R774			RK73GB1J153J	CHIP R 15K J 1/16W	
R775			RK73GH1J123D	CHIP R 12K D 1/16W	
R776			RK73GH1J432D	CHIP R 4.3K D 1/16W	
R778,779			RK73GB1J223J	CHIP R 22K J 1/16W	
R780			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R781			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R782,783			RK73GB1J101J	CHIP R 100 J 1/16W	
R784			R92-1252-05	CHIP R 0 OHM	
R792,793			RK73GB1J223J	CHIP R 22K J 1/16W	
R794-796			RK73GB1J104J	CHIP R 100K J 1/16W	
R797,798			RK73GB1J153J	CHIP R 15K J 1/16W	
R799			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R800,801			RK73GB1J473J	CHIP R 47K J 1/16W	
R802			RK73EB2B221J	CHIP R 220 J 1/8W	
R803-806			RK73GB1J562J	CHIP R 5.6K J 1/16W	

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

⚠ indicates safety critical components.

PARTS LIST

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ELECTRIC UNIT (X25-862X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
R807			RK73GB1J223J	CHIP R 22K J 1/16W	
R808,809			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R810			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R811			RK73GB1J104J	CHIP R 100K J 1/16W	
R812			RK73GB1J223J	CHIP R 22K J 1/16W	
R813			RK73GB1J473J	CHIP R 47K J 1/16W	KRH
R814			RK73GB1J820J	CHIP R 82 J 1/16W	
R815,816			RK73GB1J473J	CHIP R 47K J 1/16W	MCX
R815,816			RK73GB1J473J	CHIP R 47K J 1/16W	EW
R817			RK73GB1J473J	CHIP R 47K J 1/16W	KRH
R818			RK73GB1J820J	CHIP R 82 J 1/16W	
R819			RK73GB1J473J	CHIP R 47K J 1/16W	KREW
R820			RK73GB1J473J	CHIP R 47K J 1/16W	MCH
R820			RK73GB1J473J	CHIP R 47K J 1/16W	X
R821			RK73GB1J153J	CHIP R 15K J 1/16W	
R822			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R823			RK73GH1J273D	CHIP R 27K D 1/16W	
R824,825			RK73GB1J223J	CHIP R 22K J 1/16W	
R826			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R827			RK73GH1J472D	CHIP R 4.7K D 1/16W	
R828-831			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R832			RN73GH1J392D	CHIP R 3.9K D 1/16W	
R833			RN73GH1J103D	CHIP R 10K D 1/16W	
R834			RK73GB1J101J	CHIP R 100 J 1/16W	
R835			RK73GB1J820J	CHIP R 82 J 1/16W	
R836			RN73GH1J103D	CHIP R 10K D 1/16W	
R837,838			RN73GH1J392D	CHIP R 3.9K D 1/16W	
R839			RK73GB1J750J	CHIP R 75 J 1/16W	
R840			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R841			RK73GB1J101J	CHIP R 100 J 1/16W	
R842			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R843			RK73GB1J203J	CHIP R 20K J 1/16W	
R844			RN73GH1J103D	CHIP R 10K D 1/16W	
R845			RK73GB1J750J	CHIP R 75 J 1/16W	
R846			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R847			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R848			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R849			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R850			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R851			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R853,854			RK73GB1J393J	CHIP R 39K J 1/16W	
R855,856			RK73GB1J220J	CHIP R 22 J 1/16W	
R857,858			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R859			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R860			RK73GB1J750J	CHIP R 75 J 1/16W	
R861			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R862			RK73GB1J473J	CHIP R 47K J 1/16W	
R863			RK73GB1J102J	CHIP R 1.0K J 1/16W	EW
R864			RK73GB1J361J	CHIP R 360 J 1/16W	
R865			RK73GB1J223J	CHIP R 22K J 1/16W	
R866			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R867			RK73GB1J223J	CHIP R 22K J 1/16W	
R868			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R869			RK73GB1J750J	CHIP R 75 J 1/16W	
R870			RK73GB1J361J	CHIP R 360 J 1/16W	

Ref. No.	Add	New	Parts No.	Description	Destination
R871			RK73GB1J750J	CHIP R 75 J 1/16W	
R872,873			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R874			RN73GH1J103D	CHIP R 10K D 1/16W	
R875-877			RK73GB1J750J	CHIP R 75 J 1/16W	
R878			R92-2063-05	CHIP R 680 J 1/2W	
R879			RK73GB1J223J	CHIP R 22K J 1/16W	
R883-885			RK73GB1J102J	CHIP R 1.0K J 1/16W	MCX
R883-885			RK73GB1J102J	CHIP R 1.0K J 1/16W	EW
R886			RN73GH1J392D	CHIP R 3.9K D 1/16W	
R887			RK73GB1J473J	CHIP R 47K J 1/16W	
R888			RN73GH1J392D	CHIP R 3.9K D 1/16W	
R889,890			RN73GH1J103D	CHIP R 10K D 1/16W	
R891-893			RK73GB1J473J	CHIP R 47K J 1/16W	
R894,895			RN73GH1J392D	CHIP R 3.9K D 1/16W	
R896			RK73GB1J473J	CHIP R 47K J 1/16W	
R897			RN73GH1J392D	CHIP R 3.9K D 1/16W	
R898,899			RN73GH1J103D	CHIP R 10K D 1/16W	
R900			RK73GB1J153J	CHIP R 15K J 1/16W	
R901			RK73GB1J273J	CHIP R 27K J 1/16W	
R902-904			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R905			RK73GB1J473J	CHIP R 47K J 1/16W	
R906			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R980,981			RK73GB1J101J	CHIP R 100 J 1/16W	
VR50			R32-0229-05	SEMI FIXED VARIABLE RESISTOR	MCH
VR50			R32-0229-05	SEMI FIXED VARIABLE RESISTOR	XEW
D100			1SR154-400	DIODE	
D101			DAP202U	DIODE	
D102			AM01Z	DIODE	
D103			MA3110-M	ZENER DIODE	
D104			MA8056-M	ZENER DIODE	
D105			AM01Z	DIODE	KR
D300			DAN202U	DIODE	
D301			HZM6.8WA	ZENER DIODE	
D302			DAP202U	DIODE	
D303			HZM5.6N(B2)	ZENER DIODE	
D500-506			1SR154-400	DIODE	
D507			DAP202U	DIODE	
D508			1SR154-400	DIODE	
D509,510			DA204U	DIODE	
D511,512			MA3062WA	ZENER DIODE	
D513,514			DA204U	DIODE	
D515,516			MA3062WA	ZENER DIODE	
D517-519			DA204U	DIODE	
D520			DAN202U	DIODE	MCH
D520			DAN202U	DIODE	XEW
D521			MA8068-M	ZENER DIODE	
D522-524			DAP202U	DIODE	
D603			IMSA-6801	SURGE ABSORBER	
D700			AM01Z	DIODE	
D701			DAP202U	DIODE	
D702			RM10ZLF	DIODE	
D703			HZS7A3L	ZENER DIODE	
D704			MA8056-M	ZENER DIODE	
D705			DAN202U	DIODE	
D707,708			DAP202U	DIODE	

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R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

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PARTS LIST

* New Parts

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ELECTRIC UNIT (X25-862X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
D709			HZS7A3L	ZENER DIODE	
D710			MA3047-M	ZENER DIODE	
D712			DAP202U	DIODE	
D713			DAN202U	DIODE	
D715-723			DA204U	DIODE	
D724			HZM6.8WA	ZENER DIODE	
D725			MA3056WA	ZENER DIODE	
D726			DAP202U	DIODE	
D727-733			DA204U	DIODE	
D734			DAN202U	DIODE	
D735-737			DA204U	DIODE	
D740-747			DA204U	DIODE	
D748			MA3056-M	ZENER DIODE	
IC10			ICL7660SIBA	ANALOGUE IC	
IC30			PST9130NR	ANALOGUE IC	
IC31		*	UPD784215GC206	MI-COM IC	
IC32		*	UPD72042BGT	MOS-IC	
IC33			TC7W02F	MOS-IC	
IC34			BR24C01AF-W	MEMORY IC	
IC40,41			BA3129F	IC(SWITCH)	
IC42,43			NJM4565M-TE2	ANALOGUE IC	
IC50			TDA7386	ANALOGUE IC	
IC51			TDA7401	ANALOGUE IC	
IC54			TC4W66F	IC	
IC55			TDA7400D	ANALOGUE IC	
IC56			TC4W66F	IC	
IC57-59			NJM4565M-TE2	ANALOGUE IC	
IC60			M5280FP	IC(ISOLATOR AMP)	
IC61			NJM4565M-TE2	ANALOGUE IC	MCH
IC61			NJM4565M-TE2	ANALOGUE IC	XEW
IC62			TDA7479D	ANALOGUE IC	KRME
IC62			TDA7479D	ANALOGUE IC	W
IC65,66			BU4066BF	IC(ANALOG SWITCH X4)	
IC70			M5237ML	IC(VOLTAGE REGULATOR)	
IC71			TA78DS05F	ANALOGUE IC	
IC72,73			NJM4565M-TE2	ANALOGUE IC	
IC74			NJM4565V	ANALOGUE IC	
IC75-77			M5237ML	IC(VOLTAGE REGULATOR)	
IC78			703035AGC-014	MI-COM IC	
IC79		*	PST9137NR	ANALOGUE IC	
IC80			NJM4565M-TE2	ANALOGUE IC	
IC83,84			M5280FP	IC(ISOLATOR AMP)	
IC85			HA12187FP	ANALOGUE IC	
IC86			CXA2089Q	MOS-IC	
IC87		*	M5280FP	IC(ISOLATOR AMP)	
IC88			M5222FP	ANALOGUE IC	
IC89			M5280FP	IC(ISOLATOR AMP)	
IC90			NJM2267V	ANALOGUE IC	
IC91			MM1234XFBE	ANALOGUE IC	
IC92			NJM2267V	ANALOGUE IC	
Q100			DTC114EUA	DIGITAL TRANSISTOR	
Q101			DTA124EUA	DIGITAL TRANSISTOR	
Q102			2SA1576A	TRANSISTOR	
Q103			2SB1188(Q,R)	TRANSISTOR	
Q104			2SB1443	TRANSISTOR	
Q105			2SC4081	TRANSISTOR	
Q106			2SA1576A	TRANSISTOR	
Q107			2SC4081	TRANSISTOR	
Q108			2SA1576A	TRANSISTOR	
Q109			2SC4081	TRANSISTOR	
Q110			2SA1576A	TRANSISTOR	
Q111			2SC4081	TRANSISTOR	
Q112			DTC114EUA	DIGITAL TRANSISTOR	KR
Q113			2SB1188(Q,R)	TRANSISTOR	KR
Q300			DTC144EUA	DIGITAL TRANSISTOR	
Q301			FMG2	DIGITAL TRANSISTOR	
Q302			FMA2	TRANSISTOR	
Q303			DTA124EUA	DIGITAL TRANSISTOR	
Q304			DTA144EUA	DIGITAL TRANSISTOR	
Q305			DTC144EUA	DIGITAL TRANSISTOR	
Q306			DTA123JK	DIGITAL TRANSISTOR	
Q500-502			DTC144EUA	DIGITAL TRANSISTOR	
Q503			DTA144EUA	DIGITAL TRANSISTOR	
Q504			2SD2114K	TRANSISTOR	
Q505,506			DTC144EUA	DIGITAL TRANSISTOR	
Q507			DTA124EUA	DIGITAL TRANSISTOR	
Q511			2SD2114K	TRANSISTOR	
Q512			DTA144EUA	DIGITAL TRANSISTOR	
Q513			DTC144EUA	DIGITAL TRANSISTOR	
Q514,515			DTC124EUA	DIGITAL TRANSISTOR	
Q516			DTA124EUA	DIGITAL TRANSISTOR	MCH
Q516			DTA124EUA	DIGITAL TRANSISTOR	XEW
Q517			DTC114TUA	DIGITAL TRANSISTOR	MCH
Q517			DTC114TUA	DIGITAL TRANSISTOR	XEW
Q518,519			2SB1277(Q,R)	TRANSISTOR	
Q520			DTC124EUA	DIGITAL TRANSISTOR	MCH
Q520			DTC124EUA	DIGITAL TRANSISTOR	XEW
Q521			2SC4081	TRANSISTOR	MCH
Q521			2SC4081	TRANSISTOR	XEW
Q522-525			2SD2114K	TRANSISTOR	
Q526			DTC144EUA	DIGITAL TRANSISTOR	
Q527			DTC124EUA	DIGITAL TRANSISTOR	
Q528			DTC144EUA	DIGITAL TRANSISTOR	
Q529			DTC124EUA	DIGITAL TRANSISTOR	
Q601			DTC144EUA	DIGITAL TRANSISTOR	
Q700			2SA1906	TRANSISTOR	
Q701			2SB1443	TRANSISTOR	
Q702			DTB123YK	DIGITAL TRANSISTOR	
Q703			2SC4081	TRANSISTOR	
Q704			DTC144EUA	DIGITAL TRANSISTOR	
Q705			2SB1565(E,F)	TRANSISTOR	
Q706			DTC144EUA	DIGITAL TRANSISTOR	
Q707			2SB1565(E,F)	TRANSISTOR	
Q708			2SB1443	TRANSISTOR	
Q709			2SA1906	TRANSISTOR	
Q710			2SA1576A	TRANSISTOR	
Q711,712			2SC4081	TRANSISTOR	
Q713-716			2SD2114K	TRANSISTOR	
Q718			DTC114YUA	DIGITAL TRANSISTOR	
Q719			DTA124EUA	DIGITAL TRANSISTOR	

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Ref. No.	Add	New	Parts No.	Description			Destination
Q720			DTC144EUA	DIGITAL TRANSISTOR			
Q721,722			2SD2114K	TRANSISTOR			
Q723			DTC144EUA	DIGITAL TRANSISTOR			
Q724			FMG2	DIGITAL TRANSISTOR			
Q725			DTA124EUA	DIGITAL TRANSISTOR			
Q728,729			2SA1576A	TRANSISTOR			
Q730			DTC144EUA	DIGITAL TRANSISTOR			
Q731,732			2SD2114K	TRANSISTOR			
Q733			2SB1443	TRANSISTOR			
Q734			DTC114YUA	DIGITAL TRANSISTOR			
Q735			DTC144EUA	DIGITAL TRANSISTOR			
Q736			DTA124EUA	DIGITAL TRANSISTOR			
Q737			DTC144EUA	DIGITAL TRANSISTOR			
Q738			DTA124EUA	DIGITAL TRANSISTOR			
Q739			DTC144EUA	DIGITAL TRANSISTOR			
Q740			DTA124EUA	DIGITAL TRANSISTOR			
Q741			DTC144EUA	DIGITAL TRANSISTOR			
Q742			DTA124EUA	DIGITAL TRANSISTOR			
Q743			2SB1184	TRANSISTOR			
Q744			2SC4081	TRANSISTOR			
TH50			PT722A100C	POSITIVE RESISTOR			
A500			W02-3119-15	FM/AM FRONT-END			KR
A500			W02-3163-05	FM/AM FRONT-END			MCH
A500			W02-3163-05	FM/AM FRONT-END			XEW
VIDEO UNIT (X35-418X-XX)							
D4		*	B30-1606-05	LED			KRMC
D4		*	B30-1606-05	LED			HX
C1			CK73GB1C104K	CHIP C	0.10UF	K	
C2			C93-1126-05	CERAMIC C	10UF	25WV	
C3 ,4			CK73GB1H103K	CHIP C	0.010UF	K	
C5 ,6			CK73GB1C104K	CHIP C	0.10UF	K	
C10			CK73GB1H103K	CHIP C	0.010UF	K	
C11		*	C93-1129-05	CERAMIC C	0.15UF	100WV	
C21		*	C92-1493-05	ELECTRO	100UF	6.3V	
C22 ,23			CK73GB1H103K	CHIP C	0.010UF	K	
C24		*	C92-1485-05	CHIP-C	22UF	6.3WV	
C25 -27			CK73GB1H103K	CHIP C	0.010UF	K	
C40 ,41			CK73GB1C104K	CHIP C	0.10UF	K	
C42			CC73GCH1H820J	CHIP C	82PF	J	
C43 -45			CK73GB1C104K	CHIP C	0.10UF	K	
C46			CK73GB1A224K	CHIP C	0.22UF	K	
C47			CC73GCH1H120J	CHIP C	12PF	J	
C48		*	C92-1479-05	ELECTRO	100UF	16WV	
C49			CK73GB1C104K	CHIP C	0.10UF	K	
C51 ,52			CK73GB1C104K	CHIP C	0.10UF	K	
C53			CC73GCH1E102J	CHIP C	1000PF	J	
C54			CK73GB1C104K	CHIP C	0.10UF	K	
C55 ,56			CC73GCH1H330J	CHIP C	33PF	J	
C57			CK73FB1C105K	CHIP C	1.0UF	K	
C58 -60			CK73GB1C104K	CHIP C	0.10UF	K	
C61 ,62			CC73GCH1H330J	CHIP C	33PF	J	
C63 -65			CK73GB1C104K	CHIP C	0.10UF	K	
C66			CC73GCH1H101J	CHIP C	100PF	J	

ELECTRIC UNIT (X25-862X-XX)

Ref. No.	Add	New	Parts No.	Description			Destination
C70			CK73GB1C104K	CHIP C	0.10UF	K	
C71			CK73FB1C105K	CHIP C	1.0UF	K	
C72			CC73GCH1H221J	CHIP C	220PF	J	
C73			CC73GCH1E102J	CHIP C	1000PF	J	
C74			CC73GCH1H101J	CHIP C	100PF	J	
C75			CK73FB1H104K	CHIP C	0.10UF	K	
C76			CC73GCH1H561J	CHIP C	560PF	J	
C77			CK73GB1C104K	CHIP C	0.10UF	K	
C78			CC73GCH1H331J	CHIP C	330PF	J	
C79			CK73FB1H104K	CHIP C	0.10UF	K	
C80			CK73GB1C104K	CHIP C	0.10UF	K	
C81			CK73FB0J475K	CHIP C	4.7UF	K	
C90			CK73GB1H103K	CHIP C	0.010UF	K	
C91			C92-1480-05	ELECTRO	22UF	6.3WV	
C92 ,93			CK73GB1H103K	CHIP C	0.010UF	K	
C94 ,95			CK73DF1E106Z	CERAMIC	10UF		
C96 -101			CK73GB1H103K	CHIP C	0.010UF	K	
C102			CK73GB1C683K	CHIP C	0.068UF	K	
C103			CK73GB1H103K	CHIP C	0.010UF	K	
C104			CK73EB1A475K	CHIP C	4.7UF	K	
C105,106			CK73GB1H103K	CHIP C	0.010UF	K	
C107		*	C92-1318-05	TANTALUM C	10UF	16WV	
C108			CK73GB1C683K	CHIP C	0.068UF	K	
C109			CK73GB1H103K	CHIP C	0.010UF	K	
C110			CK73GB1C104K	CHIP C	0.10UF	K	
C111			CK73GB1C683K	CHIP C	0.068UF	K	
C112,113			CK73GB1C104K	CHIP C	0.10UF	K	
C114		*	C92-1485-05	CHIP-C	22UF	6.3WV	
C115			CK73GB1H103K	CHIP C	0.010UF	K	
C116			CK73EB1E105K	CHIP C	1.0UF	K	
C117,118			CK73GB1H103K	CHIP C	0.010UF	K	
C119-121			CK73FB1C105K	CHIP C	1.0UF	K	
C122			CK73EB1A475K	CHIP C	4.7UF	K	
C123			CK73GB1H103K	CHIP C	0.010UF	K	
C124			CK73DF1E106Z	CERAMIC	10UF		
C125		*	C92-1481-05	ELECTRO	22UF	25WV	
C126			CK73GB1H103K	CHIP C	0.010UF	K	
C130			CK73GB1C104K	CHIP C	0.10UF	K	
C131-134			CK73EB1E105K	CHIP C	1.0UF	K	
C140		*	C92-1482-05	ELECTRO	33UF	25WV	
C141		*	C92-1493-05	ELECTRO	100UF	6.3WV	
C142		*	C92-1492-05	ELECTRO	33UF	16WV	
C143-145			CK73GB1H103K	CHIP C	0.010UF	K	
C146		*	C92-1494-05	ELECTRO	33UF	25WV	
C147		*	C92-1467-05	ELECTRO	22UF	6.3WV	
C148		*	C92-1494-05	ELECTRO	33UF	25WV	
C152			CK73GB1H103K	CHIP C	0.010UF	K	
C153			CK73GB1H471K	CHIP C	470PF	K	
C154			CK73GB1E333K	CHIP C	0.033UF	K	
C155		*	C92-1491-05	ELECTRO	47UF	35WV	
C156			C92-0667-05	ELECTRO	10UF	10WV	
C157			CK73GB1H103K	CHIP C	0.010UF	K	
C158			CC73GCH1H101J	CHIP C	100PF	J	
C160,161			CK73GB1H103K	CHIP C	0.010UF	K	
C162,163			CC73GCH1H101J	CHIP C	100PF	J	

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VIDEO UNIT (X35-418X-XX)

Ref. No.	Add	New	Parts No.	Description			Destination
C164-166			CC73GCH1H471J	CHIP C	470PF	J	
C167			CK73GB1C104K	CHIP C	0.10UF	K	
C168,169			CK73DF1E106Z	CERAMIC	10UF		
C170			CK73EB1E105K	CHIP C	1.0UF	K	
C171			CK73FB1H104K	CHIP C	0.10UF	K	
C172,173			CK73DF1C106Z	CERAMIC	10UF		
C174			CC73GCH1H471J	CHIP C	470PF	J	
CN1			E40-5823-05	FLAT CABLE CONNECTOR			
CN2		*	E40-9797-05	PIN ASSY			
CN20		*	E41-0078-05	FLAT CABLE CONNECTOR			
CN21		*	E40-9796-05	FLAT CABLE CONNECTOR			
CN22			E40-5823-05	FLAT CABLE CONNECTOR			
CN23		*	E40-9798-05	FLAT CABLE CONNECTOR			
CN30		*	E40-9799-05	PIN ASSY			
CN31		*	E41-0078-05	FLAT CABLE CONNECTOR			
CN32		*	E41-0079-05	FLAT CABLE CONNECTOR			
CN33			E40-8078-05	PIN ASSY			
CN34		*	E40-9708-05	PIN ASSY			
F1		*	F53-0198-05	FUSE (1.5A)			
F140		*	F53-0210-05	FUSE (0.5A)			
L1		*	L33-1174-05	CHOKE COIL			
L2		*	L19-0592-05	TRANSFORMER FOR CONVERTER			
L20 ,21			L40-1001-78	SMALL FIXED INDUCTOR(10UH)			
L40			L40-1001-78	SMALL FIXED INDUCTOR(10UH)			
L41			L40-1505-34	SMALL FIXED INDUCTOR(15UH)			
L70			L40-2795-34	SMALL FIXED INDUCTOR(2.7UH)			
L91 -93			L40-1001-78	SMALL FIXED INDUCTOR(10UH)			
L140			L40-1011-18	SMALL FIXED INDUCTOR			
L141			L33-1106-05	CHOKE COIL			
L142			L40-1011-18	SMALL FIXED INDUCTOR			
L143		*	L19-0593-05	TRANSFORMER FOR CONVERTER			
L144			L33-1057-05	SMALL FIXED INDUCTOR			
L160-162			L40-1001-78	SMALL FIXED INDUCTOR(10UH)			
CP160			R90-0724-05	MULTI-COMP	1K	X4	
R1			RK73GB1J100J	CHIP R	10	J 1/16W	
R2			RN73GH1J332D	CHIP R	3.3K	D 1/16W	
R3			RN73GH1J243D	CHIP R	24K	D 1/16W	
R4			RK73GB1J473J	CHIP R	47K	J 1/16W	
R5 ,6			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R7			RK73GB1J515J	CHIP R	5.1M	J 1/16W	
R8			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R9			RK73GB1J390J	CHIP R	39	J 1/16W	
R10		*	RK73GH1J224D	CHIP R	220K	D 1/16W	
R11			RK73GB1J103J	CHIP R	10K	J 1/16W	
R12			RK73GH1J184D	CHIP R	180K	D 1/16W	
R14 ,15			RK73EB2B102J	CHIP R	1.0K	J 1/8W	
R16			RK73GB1J751J	CHIP R	750	J 1/16W	
R17			RK73FB2A271J	CHIP R	270	J 1/10W	KRMC
R17			RK73FB2A271J	CHIP R	270	J 1/10W	HX
R18		*	RK73GH1J224D	CHIP R	220K	D 1/16W	
R19		*	RK73GH1J154D	CHIP R	150K	D 1/16W	
R20			RK73GB1J153J	CHIP R	15K	J 1/16W	
R22			RK73EB2B472J	CHIP R	4.7K	J 1/8W	
R23			RK73GB1J103J	CHIP R	10K	J 1/16W	
R24			RK73EB2B472J	CHIP R	4.7K	J 1/8W	
R25			RK73EB2B561J	CHIP R	560	J 1/8W	
R26 ,27			RK73GB1J333J	CHIP R	33K	J 1/16W	
R28 -31			RK73EB2B100J	CHIP R	10	J 1/8W	
R32			RK73EB2B561J	CHIP R	560	J 1/8W	
R33		*	RN73GH1J512D	CHIP R	5.1K	D 1/16W	
R40			RK73GB1J224J	CHIP R	220K	J 1/16W	
R41			RK73GB1J564J	CHIP R	560K	J 1/16W	
R43			RN73GH1J391D	CHIP R	390	D 1/16W	
R44			RK73GB1J564J	CHIP R	560K	J 1/16W	
R45 -48			RK73GB1J561J	CHIP R	560	J 1/16W	
R49			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R50 -59			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R70			RN73GH1J362D	CHIP R	3.6K	D 1/16W	
R71			RK73GB1J272J	CHIP R	2.7K	J 1/16W	
R72			RK73GB1J101J	CHIP R	100	J 1/16W	
R73			RK73GB1J683J	CHIP R	68K	J 1/16W	
R74			RK73GB1J473J	CHIP R	47K	J 1/16W	
R75			RK73GB1J243J	CHIP R	24K	J 1/16W	
R76			RK73GB1J103J	CHIP R	10K	J 1/16W	
R77			RK73GB1J683J	CHIP R	68K	J 1/16W	
R78			RN73GH1J562D	CHIP R	5.6K	D 1/16W	
R79			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R80			RK73GB1J272J	CHIP R	2.7K	J 1/16W	
R81			RK73GB1J331J	CHIP R	330	J 1/16W	
R82			RK73GB1J122J	CHIP R	1.2K	J 1/16W	
R83			RK73GB1J822J	CHIP R	8.2K	J 1/16W	
R90			RK73FB2A681J	CHIP R	680	J 1/10W	
R91			RK73FB2A102J	CHIP R	1.0K	J 1/10W	
R92 ,93			RK73GB1J203J	CHIP R	20K	J 1/16W	
R94			RK73GB1J123J	CHIP R	12K	J 1/16W	
R95			RK73GB1J153J	CHIP R	15K	J 1/16W	
R96 ,97			RK73GB1J183J	CHIP R	18K	J 1/16W	
R98			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R99 ,100			RK73GB1J303J	CHIP R	30K	J 1/16W	
R101			RK73GB1J243J	CHIP R	24K	J 1/16W	
R102			RK73GB1J273J	CHIP R	27K	J 1/16W	
R103,104			RK73GB1J223J	CHIP R	22K	J 1/16W	
R105			RK73GB1J154J	CHIP R	150K	J 1/16W	
R106			RK73GB1J101J	CHIP R	100	J 1/16W	
R107			RK73GB1J471J	CHIP R	470	J 1/16W	
R108			RK73GB1J333J	CHIP R	33K	J 1/16W	
R109			RK73GB1J303J	CHIP R	30K	J 1/16W	
R110			RK73GB1J433J	CHIP R	43K	J 1/16W	
R111			RK73GB1J101J	CHIP R	100	J 1/16W	
R112			RK73GB1J103J	CHIP R	10K	J 1/16W	
R113			RK73GB1J222J	CHIP R	2.2K	J 1/16W	
R114			RK73GB1J123J	CHIP R	12K	J 1/16W	
R115,116			RK73GB1J101J	CHIP R	100	J 1/16W	
R117			RK73GB1J822J	CHIP R	8.2K	J 1/16W	
R118			RK73GB1J222J	CHIP R	2.2K	J 1/16W	
R119			RK73GB1J271J	CHIP R	270	J 1/16W	
R120			RK73GB1J822J	CHIP R	8.2K	J 1/16W	
R121			RK73GB1J222J	CHIP R	2.2K	J 1/16W	

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

⚠ indicates safety critical components.

PARTS LIST

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Ref. No.	Add	New	Parts No.	Description	Destination
R122			RK73GB1J123J	CHIP R 12K J 1/16W	
R123			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R124			RK73GB1J103J	CHIP R 10K J 1/16W	
R125			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R126			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R127			RK73FB2A150J	CHIP R 15 J 1/10W	
R140			RN73GH1J103D	CHIP R 10K D 1/16W	
R141			RK73GB1J101J	CHIP R 100 J 1/16W	
R142			RN73GH1J112D	CHIP R 1.1K D 1/16W	
R144			RK73GB1J684J	CHIP R 680K J 1/16W	
R145			RK73GB1J333J	CHIP R 33K J 1/16W	
R146			RK73GB1J184J	CHIP R 180K J 1/16W	
R147			RK73GB1J754J	CHIP R 750K J 1/16W	
R160			RK73GB1J561J	CHIP R 560 J 1/16W	
R161			RN73GH1J242D	CHIP R 2.4K D 1/16W	
R162			RK73GB1J103J	CHIP R 10K J 1/16W	
R163			RN73GH1J332D	CHIP R 3.3K D 1/16W	
R164-166			RK73GB1J561J	CHIP R 560 J 1/16W	
R168-171			RK73GB1J471J	CHIP R 470 J 1/16W	
R172			RK73GB1J561J	CHIP R 560 J 1/16W	
R180			RK73GB1J123J	CHIP R 12K J 1/16W	
VR40			R32-0246-05	SEMI FIXED VARIABLE RESISTOR	
VR70			R32-0244-05	SEMI FIXED VARIABLE RESISTOR	
VR90			R32-0235-05	SEMI FIXED VARIABLE RESISTOR	
VR91			R32-0245-05	SEMI FIXED VARIABLE RESISTOR	
VR92,93			R32-0235-05	SEMI FIXED VARIABLE RESISTOR	
VR94-96			R32-0245-05	SEMI FIXED VARIABLE RESISTOR	
W130,131			R92-1252-05	CHIP R 0 OHM	
W140			R92-1252-05	CHIP R 0 OHM	
S1			S70-0841-05	TACT SWITCH	
S20		*	S68-0855-05	PUSH SWITCH	
S21 ,22			S70-0841-05	TACT SWITCH	
D2			RB160L-40	DIODE	
D3			1SS193	DIODE	
D5			1SS193	DIODE	
D6		*	UMZ6.8N	ZENER DIODE	
D23 ,24			DA204U	DIODE	
D40			MA716	DIODE	
D70			MA152K	DIODE	
D71			MA335	VARIABLE CAPACITANCE DIODE	
D72 ,73			MA3051-M	ZENER DIODE	
D90			MA3082-M	ZENER DIODE	
D91			DAN202U	DIODE	
D120			MA716	DIODE	
D140			SB05-05CP	DIODE	
D141,142			1SS184	DIODE	
D160			MA3051-M	ZENER DIODE	
D161,162			MA3056WA	ZENER DIODE	
D163			MA8056-M	ZENER DIODE	
IC1		*	TL5001ID	ANALOGUE IC	
IC2			NJM2403V	ANALOGUE IC	
IC20			PNA4603H	ANALOGUE IC	
IC40		*	LZ9GJ24	MOS-IC	
IC70			NJM2107F	ANALOGUE IC	

VIDEO UNIT (X35-418X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
IC90			IR3Y26A1	ANALOGUE IC	
IC91		*	NJM4580V	ANALOGUE IC	
IC130			TC74AC74FT	MOS-IC	
IC140			NJM2368V	ANALOGUE IC	
IC180			TC7WH123FU	ANALOGUE IC	
Q1			2SC2412K	TRANSISTOR	
Q2			2SA1037K	TRANSISTOR	
Q3 ,4			2SC2873	TRANSISTOR	
Q5			DTC124EUA	DIGITAL TRANSISTOR	KRMC
Q5			DTC124EUA	DIGITAL TRANSISTOR	HX
Q6		*	2SJ518	FET	
Q20			DTC124EUA	DIGITAL TRANSISTOR	
Q21			DTA124EUA	DIGITAL TRANSISTOR	
Q22 ,23			DTC124EUA	DIGITAL TRANSISTOR	
Q24			DTA124EUA	DIGITAL TRANSISTOR	
Q25			DTC124EUA	DIGITAL TRANSISTOR	
Q40			DTC124EUA	DIGITAL TRANSISTOR	
Q70			2SC2411K	TRANSISTOR	
Q90 ,91			2SC4081	TRANSISTOR	
Q140		*	2SC5566	TRANSISTOR	

DVD UNIT (X37-1010-02)

C1 -6			CK73GB1C104K	CHIP C	0.10UF	K
C7 -10			CK73GB1H222K	CHIP C	2200PF	K
C11			CC73GCH1H271J	CHIP C	270PF	J
C12 ,13			C92-0628-05	CHIP-TAN	10UF	10WV
C14			CK73GB1C104K	CHIP C	0.10UF	K
C15			C92-0628-05	CHIP-TAN	10UF	10WV
C16			CK73GB1H102K	CHIP C	1000PF	K
C17			C92-0635-05	CHIP-TAN	10UF	6.3WV
C18 -25			CK73GB1C104K	CHIP C	0.10UF	K
C26 ,27			CK73GB1C333K	CHIP C	0.033UF	K
C28			CK73GB1E473K	CHIP C	0.047UF	K
C29			CK73GB1C104K	CHIP C	0.10UF	K
C30			CC73GCH1H681J	CHIP C	680PF	J
C31			CK73GB1H102K	CHIP C	1000PF	K
C32			CK73FB1C224K	CHIP C	0.22UF	K
C33			C92-0628-05	CHIP-TAN	10UF	10WV
C34 -37			CK73GB1C104K	CHIP C	0.10UF	K
C38			CC73GCH1H151J	CHIP C	150PF	J
C39 -42			CK73GB1C104K	CHIP C	0.10UF	K
C43			CC73GCH1H101J	CHIP C	100PF	J
C44			C92-0628-05	CHIP-TAN	10UF	10WV
C45			CK73EB1C225K	CHIP C	2.2UF	K
C46 ,47			CK73GB1H102K	CHIP C	1000PF	K
C48 ,49			CK73GB1E223K	CHIP C	0.022UF	K
C50 -52			CK73FB1A105K	CHIP C	1.0UF	K
C53 ,54			CK73EB1A475K	CHIP C	4.7UF	K
C55 -59			CK73GB1H102K	CHIP C	1000PF	K
C60			CK73GB1H103K	CHIP C	0.010UF	K
C61 ,62			CK73FB1A105K	CHIP C	1.0UF	K
C63 ,64			CK73EB1A475K	CHIP C	4.7UF	K
C65			CK73GB1C104K	CHIP C	0.10UF	K
C66			CC73GCH1H471J	CHIP C	470PF	J
C67			CC73GCH1H101J	CHIP C	100PF	J
C68			CK73GB1H103K	CHIP C	0.010UF	K

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

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DVD UNIT (X37-1010-02)

Ref. No.	Add	New	Parts No.	Description			Destination
C69 ,70			CK73GB1C104K	CHIP C	0.10UF	K	
C71			CK73FB1C474K	CHIP C	0.47UF	K	
C72 -75			CK73GB1C104K	CHIP C	0.10UF	K	
C76			C92-0628-05	CHIP-TAN	10UF	10WV	
C77			CK73GB1H102K	CHIP C	1000PF	K	
C78 -80			CK73GB1C104K	CHIP C	0.10UF	K	
C81			CK73GB1H103K	CHIP C	0.010UF	K	
C82			CC73GCH1H101J	CHIP C	100PF	J	
C83			CK73GB1C104K	CHIP C	0.10UF	K	
C84			CK73GB1H103K	CHIP C	0.010UF	K	
C85			CK73GB1C104K	CHIP C	0.10UF	K	
C86			CK73FB1C474K	CHIP C	0.47UF	K	
C87			C92-0628-05	CHIP-TAN	10UF	10WV	
C88 -107			CK73GB1C104K	CHIP C	0.10UF	K	
C108			C92-0635-05	ELECTRO	10UF	6.3WV	
C109,110			C92-0628-05	CHIP-TAN	10UF	10WV	
C111-114			CK73GB1C104K	CHIP C	0.10UF	K	
C115			C92-0628-05	CHIP-TAN	10UF	10WV	
C116			CK73GB1H102K	CHIP C	1000PF	K	
C118			CK73GB1H103K	CHIP C	0.010UF	K	
C119-121			CK73FB1A105K	CHIP C	1.0UF	K	
C122			CK73GB1C104K	CHIP C	0.10UF	K	
C123			CC73GCH1H221J	CHIP C	220PF	J	
C124			CK73GB1H152K	CHIP C	1500PF	K	
C125			CK73GB1C104K	CHIP C	0.10UF	K	
C126			CK73GB1C823K	CHIP C	0.082UF	K	
C127			CC73GCH1H151J	CHIP C	150PF	J	
C128			CK73GB1H102K	CHIP C	1000PF	K	
C129			CK73GB1C104K	CHIP C	0.10UF	K	
C130			CK73GB0J105K	CHIP C	1.0UF	K	
C131			CK73GB1H103K	CHIP C	0.010UF	K	
C132			C92-0628-05	CHIP-TAN	10UF	10WV	
C133			CK73GB1C104K	CHIP C	0.10UF	K	
C135			CK73GB1C104K	CHIP C	0.10UF	K	
C136			CC73GCH1H101J	CHIP C	100PF	J	
C137			CK73GB1E223K	CHIP C	0.022UF	K	
C138			CK73GB1C104K	CHIP C	0.10UF	K	
C139			CC73GCH1H221J	CHIP C	220PF	J	
C140			CK73GB1C104K	CHIP C	0.10UF	K	
C141			CK73GB1H102K	CHIP C	1000PF	K	
C142			CK73GB1C104K	CHIP C	0.10UF	K	
C143			C92-0628-05	CHIP-TAN	10UF	10WV	
C144			CK73GB1C104K	CHIP C	0.10UF	K	
C145			C92-0628-05	CHIP-TAN	10UF	10WV	
C146			CC73GCH1H101J	CHIP C	100PF	J	
C147			CK73EB1C225K	CHIP C	2.2UF	K	
C148			CK73GB1H103K	CHIP C	0.010UF	K	
C149-152			CK73GB1C104K	CHIP C	0.10UF	K	
C153			CK73EB0J106K	CHIP C	10UF	K	
C154,155			CK73GB1C104K	CHIP C	0.10UF	K	
C157		*	C92-1452-05	ELECTRO	100UF	10WV	
C158			CK73EB0J106K	CHIP C	10UF	K	
C159,160			CK73FB1A105K	CHIP C	1.0UF	K	
C161			CK73GB1C104K	CHIP C	0.10UF	K	
C199			CK73GB1E473K	CHIP C	0.047UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C200			CK73GB1C104K	CHIP C	0.10UF	K	
CN1		*	E40-9782-05	FLAT CABLE CONNECTOR			
CN2		*	E40-9744-05	FLAT CABLE CONNECTOR			
CN3			E40-9617-05	PIN ASSY			
CN6		*	E40-9745-05	PIN ASSY			
CN20		*	E41-0015-05	PIN ASSY			
L1			L40-1001-78	SMALL FIXED INDUCTOR(10UH)			
L2 -6			L92-0308-05	FERRITE CORE			
L7		*	L92-0336-05	CHIP FERRITE			
L8 -10			L92-0308-05	FERRITE CORE			
L17		*	L92-0336-05	CHIP FERRITE			
L20		*	L92-0336-05	CHIP FERRITE			
X1		*	L78-0801-05	RESONATOR	(CSTCV33.86MXJ)		
X2		*	L78-0811-05	RESONATOR	(CSTCV16.00MXJ)		
CP2			R90-1013-05	MULTI-COMP	2.2K	X2	
CP3		*	R90-1033-05	MULTI-COMP	22	X4	
CP4			R90-1031-05	MULTI-COMP	22	X2	
CP5		*	R90-1033-05	MULTI-COMP	22	X4	
CP6		*	R90-1018-05	MULTI-COMP	82	X4	
CP7			R90-1012-05	MULTI-COMP	22	X4	
CP8			R90-1031-05	MULTI-COMP	22	X2	
CP9		*	R90-1033-05	MULTI-COMP	22	X4	
CP11			R90-1031-05	MULTI-COMP	22	X2	
CP12,13			R90-0720-05	MULTI-COMP	100K	X4	
CP14-17		*	R90-1033-05	MULTI-COMP	22	X4	
CP18			R90-0719-05	MULTI-COMP	4.7K	X2	
CP19			R90-0737-05	MULTI-COMP	100K	X2	
CP20,21		*	R90-1018-05	MULTI-COMP	82	X4	
CP22			R90-1031-05	MULTI-COMP	22	X2	
CP23-26		*	R90-1033-05	MULTI-COMP	22	X4	
CP27-30		*	R90-1032-05	MULTI-COMP	12K	X4	
CP31			R90-0720-05	MULTI-COMP	100K	X4	
CP32		*	R90-1033-05	MULTI-COMP	22	X4	
CP33		*	R90-1032-05	MULTI-COMP	12K	X4	
CP34,35		*	R90-1059-05	MULTI-COMP	12K	X2	
R1 ,2			RK73GB1J910J	CHIP R	91	J 1/16W	
R3 -6			RK73GB1J152J	CHIP R	1.5K	J 1/16W	
R7 ,8			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R9 ,10			RK73GB1J123J	CHIP R	12K	J 1/16W	
R11			RK73GB1J223J	CHIP R	22K	J 1/16W	
R12			R92-3273-05	CHIP R	6.8	F 1/4W	
R13			RK73GB1J223J	CHIP R	22K	J 1/16W	
R14 ,15			RK73GB1J100J	CHIP R	10	J 1/16W	
R16		*	RK73GH1J123D	CHIP R	12K	D 1/16W	
R17			RK73GB1J103J	CHIP R	10K	J 1/16W	
R18			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R19			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R20			RK73GB1J220J	CHIP R	22	J 1/16W	
R21			RK73GB1J101J	CHIP R	100	J 1/16W	
R22			RK73GB1J512J	CHIP R	5.1K	J 1/16W	
R23			RK73GB1J204J	CHIP R	200K	J 1/16W	
R24			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R25			RK73GB1J473J	CHIP R	47K	J 1/16W	
R26			RK73GB1J102J	CHIP R	1.0K	J 1/16W	

K: KVT-910DVD (for North America)
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H: KVT-930DVD (for Korea,Taiwan,Philippines)
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DVD UNIT (X37-1010-02)

Ref. No.	Add	New	Parts No.	Description			Destination
R27			RK73GB1J222J	CHIP R	2.2K	J 1/16W	
R28			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R29			RK73GB1J243J	CHIP R	24K	J 1/16W	
R30			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R31			RK73GB1J152J	CHIP R	1.5K	J 1/16W	
R32 -34			RK73GB1J103J	CHIP R	10K	J 1/16W	
R35			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R36			RK73GB1J334J	CHIP R	330K	J 1/16W	
R37			RK73GB1J103J	CHIP R	10K	J 1/16W	
R38			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R39			RK73GB1J153J	CHIP R	15K	J 1/16W	
R40			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R41			RK73GB1J122J	CHIP R	1.2K	J 1/16W	
R42			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R43 ,44			RK73GB1J103J	CHIP R	10K	J 1/16W	
R45			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R46			RK73GB1J101J	CHIP R	100	J 1/16W	
R47			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R48			RK73FB2A100J	CHIP R	10	J 1/10W	
R49			RK73GB1J103J	CHIP R	10K	J 1/16W	
R50			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R51		*	RK73GH1J752D	CHIP R	7.5K	D 1/16W	
R52		*	RK73GH1J113D	CHIP R	11K	D 1/16W	
R53		*	RK73GH1J752D	CHIP R	7.5K	D 1/16W	
R54		*	RK73GH1J113D	CHIP R	11K	D 1/16W	
R55 -58			RK73GH1J472D	CHIP R	4.7K	D 1/16W	
R59 ,60			RK73GH1J103D	CHIP R	10K	D 1/16W	
R61			RK73GB1J103J	CHIP R	10K	J 1/16W	
R62 ,63			RK73GB1J154J	CHIP R	150K	J 1/16W	
R64			RK73GB1J103J	CHIP R	10K	J 1/16W	
R65			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R66			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R67			RK73FB2A100J	CHIP R	10	J 1/10W	
R68			RK73GH1J472D	CHIP R	4.7K	D 1/16W	
R69			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R70			RK73GH1J472D	CHIP R	4.7K	D 1/16W	
R71			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R72			RK73GB1J471J	CHIP R	470	J 1/16W	
R73 ,74			RK73GH1J273D	CHIP R	27K	D 1/16W	
R76 ,77			RK73GB1J103J	CHIP R	10K	J 1/16W	
R78			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R79			RK73FB2A4R7J	CHIP R	4.7	J 1/10W	
R80		*	R92-3099-05	CHIP R	0.22	J 1/2W	
R81 ,82			RK73GB1J103J	CHIP R	10K	J 1/16W	
R83			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R84 ,85			RK73GB1J103J	CHIP R	10K	J 1/16W	
R86			RK73GB1J303J	CHIP R	30K	J 1/16W	
R87			RK73GB1J222J	CHIP R	2.2K	J 1/16W	
R88			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R89 ,90			RK73EB2B100J	CHIP R	10	J 1/8W	
R91			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R92			RK73GB1J153J	CHIP R	15K	J 1/16W	
R93			RK73GB1J242J	CHIP R	2.4K	J 1/16W	
R94			RK73GB1J103J	CHIP R	10K	J 1/16W	
R95			RK73GB1J101J	CHIP R	100	J 1/16W	

Ref. No.	Add	New	Parts No.	Description			Destination
R96			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R97			RK73GB1J683J	CHIP R	68K	J 1/16W	
R98			RK73GB1J103J	CHIP R	10K	J 1/16W	
R99			RK73GB1J222J	CHIP R	2.2K	J 1/16W	
R100			RK73GB1J103J	CHIP R	10K	J 1/16W	
R101			RK73GB1J752J	CHIP R	7.5K	J 1/16W	
R102,103			RK73GH1J103D	CHIP R	10K	D 1/16W	
R104			RK73GB1J104J	CHIP R	100K	J 1/16W	
R105			RK73GB1J103J	CHIP R	10K	J 1/16W	
R106			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R107			RK73GB1J220J	CHIP R	22	J 1/16W	
R108			RK73GB1J330J	CHIP R	33	J 1/16W	
R109			RK73GB1J151J	CHIP R	150	J 1/16W	
R110			RK73GB1J103J	CHIP R	10K	J 1/16W	
R111			RK73GB1J330J	CHIP R	33	J 1/16W	
R112			RK73GB1J104J	CHIP R	100K	J 1/16W	
R113			RK73GB1J225J	CHIP R	2.2M	J 1/16W	
R114			RK73GB1J105J	CHIP R	1.0M	J 1/16W	
R115			RK73GB1J473J	CHIP R	47K	J 1/16W	
R116			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R117			RK73GB1J184J	CHIP R	180K	J 1/16W	
R118			RK73GB1J103J	CHIP R	10K	J 1/16W	
R119			RK73GB1J104J	CHIP R	100K	J 1/16W	
R120			RK73GB1J103J	CHIP R	10K	J 1/16W	
R121			RK73GB1J333J	CHIP R	33K	J 1/16W	
R122			RK73GB1J473J	CHIP R	47K	J 1/16W	
R123			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R124			RK73GB1J333J	CHIP R	33K	J 1/16W	
R125			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R126			RK73GB1J104J	CHIP R	100K	J 1/16W	
R127,128			RK73GB1J220J	CHIP R	22	J 1/16W	
R129			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R130,131			RK73GB1J103J	CHIP R	10K	J 1/16W	
R132,133			RK73GB1J104J	CHIP R	100K	J 1/16W	
R134			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R135			RK73GB1J223J	CHIP R	22K	J 1/16W	
R136			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R137			RK73GB1J223J	CHIP R	22K	J 1/16W	
R138			RK73GH1J103D	CHIP R	10K	D 1/16W	
R139			RK73GB1J474J	CHIP R	470K	J 1/16W	
R140			RK73GB1J223J	CHIP R	22K	J 1/16W	
R141			RK73GB1J474J	CHIP R	470K	J 1/16W	
R143			RK73GB1J474J	CHIP R	470K	J 1/16W	
R144			RK73GB1J220J	CHIP R	22	J 1/16W	
R145			RK73GB1J223J	CHIP R	22K	J 1/16W	
R146			RK73GB1J472J	CHIP R	4.7K	J 1/16W	
R147			RK73GB1J101J	CHIP R	100	J 1/16W	
R148			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R149			RK73GB1J471J	CHIP R	470	J 1/16W	
R150			RK73GB1J220J	CHIP R	22	J 1/16W	
R151			RK73GB1J103J	CHIP R	10K	J 1/16W	
R152,153			RK73GB1J104J	CHIP R	100K	J 1/16W	
R154			RK73GB1J101J	CHIP R	100	J 1/16W	
R155			RK73GB1J204J	CHIP R	200K	J 1/16W	
R156			RK73GB1J101J	CHIP R	100	J 1/16W	

K: KVT-910DVD (for North America)
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H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

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DVD UNIT (X37-1010-02)

Ref. No.	Add	New	Parts No.	Description			Destination
R157			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R158,159			RK73GB1J101J	CHIP R	100	J 1/16W	
R160			RK73GB1J220J	CHIP R	22	J 1/16W	
R161,162			RK73GH1J124D	CHIP R	120K	D 1/16W	
R163,164			RK73GH1J203D	CHIP R	20K	D 1/16W	
R165			RK73GB1J473J	CHIP R	47K	J 1/16W	
R166			RK73GB1J103J	CHIP R	10K	J 1/16W	
R167			RK73GB1J102J	CHIP R	1.0K	J 1/16W	
R168			RK73GB1J104J	CHIP R	100K	J 1/16W	
R169-172			RK73GB1J332J	CHIP R	3.3K	J 1/16W	
R173,174			RK73GB1J104J	CHIP R	100K	J 1/16W	
R175			RK73GB1J473J	CHIP R	47K	J 1/16W	
R197,198			RK73GB1J203J	CHIP R	20K	J 1/16W	
R199			RK73GB1J123J	CHIP R	12K	J 1/16W	
R200			RK73GB1J223J	CHIP R	22K	J 1/16W	
W1			R92-1252-05	CHIP R	0 OHM		
W10			R92-1252-05	CHIP R	0 OHM		
D1 ,2			DAN217	DIODE			
D3			DAN202U	DIODE			
D4 ,5			DA114	DIODE			
D6			DAN202U	DIODE			
D7			DAN217	DIODE			
D8 -10		*	SB02-03Q	DIODE			
IC1		*	SP3721A	ANALOGUE IC			
IC2		*	NJM2125F	ANALOGUE IC			
IC3		*	NJU7093A	MOS-IC			
IC4			NJM2406F	ANALOGUE IC			
IC5		*	NJM2100M	MOS-IC			
IC6		*	LA6393M	ANALOGUE IC			
IC7		*	L88MS05T	ANALOGUE IC			
IC8		*	LA6553	ANALOGUE IC			
IC9		*	BD6661FV	ANALOGUE IC			
IC10		*	NJU7096AR	MOS-IC			
IC11		*	SN74AHC1G08D	MOS-IC			
IC12		*	NJM2125F	ANALOGUE IC			
IC13		*	SN74AHC1G08D	MOS-IC			
IC14		*	CXD1867R	MOS-IC			
IC15			L88M33T	ANALOGUE IC			
IC16		*	IS41C16256	MEMORY IC			
IC17		*	SN74AHC2GU04H	MOS-IC			
IC19		*	SN74AHC1GU04D	MOS-IC			
IC20			CXD3008Q	MOS-IC			
IC21		*	L88MS05T	ANALOGUE IC			
IC22		*	HD6433062G24XI	MI-COM IC			
IC23		*	BR24C04FV-W	MEMORY IC			
Q1 ,2			MCH6101	TRANSISTOR			
Q3			2SB1295	TRANSISTOR			
Q4		*	3LN01M	FET			
Q5			DTC124EUA	DIGITAL TRANSISTOR			
Q6		*	3LP01M	FET			
Q7			DTC124EUA	DIGITAL TRANSISTOR			
Q8			2SB1295	TRANSISTOR			
Q9			DTC124EUA	DIGITAL TRANSISTOR			
Q10			2SC4081	TRANSISTOR			
Q11			2SA1576A	TRANSISTOR			
Q12			2SC4081	TRANSISTOR			
Q13			DTC124EUA	DIGITAL TRANSISTOR			
Q14			2SB1295	TRANSISTOR			
Q15			DTC124EUA	DIGITAL TRANSISTOR			
Q16		*	3LP01M	FET			
Q17 ,18			DTC124EUA	DIGITAL TRANSISTOR			
Q23			DTC124EUA	DIGITAL TRANSISTOR			
Q24			2SB1295	TRANSISTOR			
Q25		*	3LN01M	FET			
Q26			UMC2N	TRANSISTOR			
Q27			CPH3105	TRANSISTOR			

TUNER UNIT (X86-323X-XX)

C1 -4			CC73GCH1H101J	CHIP C	100PF	J	
C5			CK73GB1H222K	CHIP C	2200PF	K	
C6 ,7			CC73GCH1H101J	CHIP C	100PF	J	
C8			CK73GB1C104K	CHIP C	0.10UF	K	EW
C8			CK73GB1H104K	CHIP C	0.10UF	K	EW
C9 ,10			CC73GCH1H101J	CHIP C	100PF	J	
C11			CK73GB1H103K	CHIP C	0.010UF	K	KRMC
C11			CK73GB1H103K	CHIP C	0.010UF	K	HX
C11 -14			CK73GB1H103K	CHIP C	0.010UF	K	EW
C15 -18			CK73GB1H102K	CHIP C	1000PF	K	
C19			CK73GB1E223K	CHIP C	0.022UF	K	
C19			CK73GB1H223K	CHIP C	0.022UF	K	
C20			CK73GB1H472K	CHIP C	4700PF	K	
C21			CK73GB1H332K	CHIP C	3300PF	K	
C22 ,23			CK73GB1H103K	CHIP C	0.010UF	K	
C24			CE04NW0J470M	ELECTRO	47UF	6.3WV	
C25			CC73GCH1H330J	CHIP C	33PF	J	
C26 ,27			CK73GB1H222K	CHIP C	2200PF	K	EW
C28			CK73GB1H103K	CHIP C	0.010UF	K	
C29 -32			CC73GCH1H101J	CHIP C	100PF	J	
C33			CK73GB1H222K	CHIP C	2200PF	K	EW
C34 ,35			CK73GB1H103K	CHIP C	0.010UF	K	EW
C38			CK73GB1H103K	CHIP C	0.010UF	K	
C39			CK73GB1H222K	CHIP C	2200PF	K	
C40			CK73GB1H102K	CHIP C	1000PF	K	
C41			CE04NW1H4R7M	ELECTRO	4.7UF	50WV	
C42			CK73GB1H103K	CHIP C	0.010UF	K	
C43			CE04NW0J470M	ELECTRO	47UF	6.3WV	
C44			CK73GB1H103K	CHIP C	0.010UF	K	
C45 ,46			CE04DW1A221M	ELECTRO	220UF	10WV	
C47			CK73GB1H222K	CHIP C	2200PF	K	
C48			CE04NW1C220M	ELECTRO	22UF	16WV	
C49			CK73GB1H103K	CHIP C	0.010UF	K	
C50 ,51			CE04NW1H4R7M	ELECTRO	4.7UF	50WV	
C52			CE04NW1C330M	ELECTRO	33UF	16WV	
C53 -56			CC73GCH1H101J	CHIP C	100PF	J	
C57			CK73GB1H103K	CHIP C	0.010UF	K	
C58 -63			CK73GB1H102K	CHIP C	1000PF	K	
C101			CC73GCH1H221J	CHIP C	220PF	J	
C102			CK73GB1H103K	CHIP C	0.010UF	K	
C103			CK73GB1E223K	CHIP C	0.022UF	K	

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Ref. No.	Add	New	Parts No.	Description			Destination
C103			CK73GB1H223K	CHIP C	0.022UF	K	
C104,105			CK73GB1C104K	CHIP C	0.10UF	K	
C104,105			CK73GB1H104K	CHIP C	0.10UF	K	
C106			CK73GB1H103K	CHIP C	0.010UF	K	
C107			CK73GB1C104K	CHIP C	0.10UF	K	
C107			CK73GB1H104K	CHIP C	0.10UF	K	
C108			CK73GB1H103K	CHIP C	0.010UF	K	
C109			CK73GB1E223K	CHIP C	0.022UF	K	
C109			CK73GB1H223K	CHIP C	0.022UF	K	
C110,111			CK73GB1C104K	CHIP C	0.10UF	K	
C110,111			CK73GB1H104K	CHIP C	0.10UF	K	
C112			CC73GCH1H100D	CHIP C	10PF	D	KRH
C112,113			CC73GCH1H100D	CHIP C	10PF	D	MCX
C112,113			CC73GCH1H100D	CHIP C	10PF	D	EW
C114			CK73GB1H103K	CHIP C	0.010UF	K	
C115			CC73GCH1H560J	CHIP C	56PF	J	
C116			CK73GB1H222K	CHIP C	2200PF	K	EW
C117			CC73GCH1H220J	CHIP C	22PF	J	EW
C118			CK73GB1H102K	CHIP C	1000PF	K	MCX
C118			CK73GB1H102K	CHIP C	1000PF	K	EW
C119			CK73GB1H103K	CHIP C	0.010UF	K	KRMC
C119			CK73GB1H103K	CHIP C	0.010UF	K	HX
C120			CE04NW1C470M	ELECTRO	47UF	16WV	
C121			CK73GB1H103K	CHIP C	0.010UF	K	
C122			CK73GB1E473K	CHIP C	0.047UF	K	
C122			CK73GB1H473K	CHIP C	0.047UF	K	
C123			CK73GB1H103K	CHIP C	0.010UF	K	
C124			CE04NW1C470M	ELECTRO	47UF	16WV	KRMC
C124			CE04NW1C470M	ELECTRO	47UF	16WV	HX
C125			CK73GB1A474K	CHIP C	0.47UF	K	EW
C125			CK73GB1E473K	CHIP C	0.047UF	K	KRMC
C125			CK73GB1E473K	CHIP C	0.047UF	K	HX
C125			CK73GB1H473K	CHIP C	0.047UF	K	KRMC
C125			CK73GB1H473K	CHIP C	0.047UF	K	HX
C126			CK73GB1C104K	CHIP C	0.10UF	K	
C126			CK73GB1H104K	CHIP C	0.10UF	K	
C127			CC73GCH1H471J	CHIP C	470PF	J	
C128			CK73GB1H472K	CHIP C	4700PF	K	
C129			CK73GB1C104K	CHIP C	0.10UF	K	
C129			CK73GB1H104K	CHIP C	0.10UF	K	
C130			CC73GCH1H330J	CHIP C	33PF	J	
C131			CC73GCH1H270J	CHIP C	27PF	J	
C132			CK73GB1H102K	CHIP C	1000PF	K	
C133			CK73GB1C104K	CHIP C	0.10UF	K	
C133			CK73GB1H104K	CHIP C	0.10UF	K	
C134			CE04NW1H010M	ELECTRO	1.0UF	50WV	
C135			CK73GB1H222K	CHIP C	2200PF	K	
C136			CK73GB1A224K	CHIP C	0.22UF	K	
C137			CK73GB1H472K	CHIP C	4700PF	K	
C138			CE04NW1H010M	ELECTRO	1.0UF	50WV	
C139			CK73GB1E473K	CHIP C	0.047UF	K	
C139			CK73GB1H473K	CHIP C	0.047UF	K	
C140			CK73GB1A224K	CHIP C	0.22UF	K	
C141-143			CK73GB1H103K	CHIP C	0.010UF	K	
C144			CE04NW1HR47M	ELECTRO	0.47UF	50WV	
C145			CC73GCH1H100D	CHIP C	10PF	D	
C146			CE04NW1C470M	ELECTRO	47UF	16WV	
C147			CK73GB1C104K	CHIP C	0.10UF	K	
C147			CK73GB1H104K	CHIP C	0.10UF	K	
C148			CK73GB1E223K	CHIP C	0.022UF	K	
C148			CK73GB1H223K	CHIP C	0.022UF	K	
C149			CE04NW1H2R2M	ELECTRO	2.2UF	50WV	
C150			CK73GB1H103K	CHIP C	0.010UF	K	
C151			CK73GB1C104K	CHIP C	0.10UF	K	
C151			CK73GB1H104K	CHIP C	0.10UF	K	
C152,153			CK73GB1H102K	CHIP C	1000PF	K	
C154			CK73GB1C104K	CHIP C	0.10UF	K	
C154			CK73GB1H104K	CHIP C	0.10UF	K	
C155			CC73GCH1H101J	CHIP C	100PF	J	EW
C156			CC73GCH1H101J	CHIP C	100PF	J	KRMC
C156			CC73GCH1H101J	CHIP C	100PF	J	HX
C157			CK73GB1A224K	CHIP C	0.22UF	K	EW
C201			CE04NW1C100M	ELECTRO	10UF	16WV	EW
C202			CK73GB1H103K	CHIP C	0.010UF	K	EW
C203			CK73GB1A224K	CHIP C	0.22UF	K	EW
C203			CK73GB1A474K	CHIP C	0.47UF	K	KRMC
C203			CK73GB1A474K	CHIP C	0.47UF	K	HX
C204,205			CK73GB1H222K	CHIP C	2200PF	K	EW
C206,207			CK73GB1E223K	CHIP C	0.022UF	K	EW
C206,207			CK73GB1H223K	CHIP C	0.022UF	K	EW
C208			CE04NW1HR47M	ELECTRO	0.47UF	50WV	EW
C209			CE04NW1E4R7M	ELECTRO	4.7UF	25WV	EW
C210-212			CK73GB1H103K	CHIP C	0.010UF	K	EW
C211,212			CK73GB1H103K	CHIP C	0.010UF	K	KRMC
C211,212			CK73GB1H103K	CHIP C	0.010UF	K	HX
C213			CE04NW1C100M	ELECTRO	10UF	16WV	
C214			CK73GB1H103K	CHIP C	0.010UF	K	
C218-220			CK73FB1C105K	CHIP C	1.0UF	K	
C221			CK73GB1A474K	CHIP C	0.47UF	K	KRMC
C221			CK73GB1A474K	CHIP C	0.47UF	K	HX
C221			CK73GB1C104K	CHIP C	0.10UF	K	EW
C221			CK73GB1H104K	CHIP C	0.10UF	K	EW
C224			CK73GB1H103K	CHIP C	0.010UF	K	
C225			CK73GB1C104K	CHIP C	0.10UF	K	
C225			CK73GB1H104K	CHIP C	0.10UF	K	
C226			CC73GCH1H560J	CHIP C	56PF	J	
C227			CK73FB1C105K	CHIP C	1.0UF	K	
C229,230			CK73GB1H103K	CHIP C	0.010UF	K	
C231,232			CK73GB1E223K	CHIP C	0.022UF	K	KRH
C231,232			CK73GB1H153K	CHIP C	0.015UF	K	MCX
C231,232			CK73GB1H153K	CHIP C	0.015UF	K	EW
C231,232			CK73GB1H223K	CHIP C	0.022UF	K	KRH
C233-236			CK73GB1H102K	CHIP C	1000PF	K	
C237,238			CC73GCH1H121J	CHIP C	120PF	J	
C239,240			CK73GB1H102K	CHIP C	1000PF	K	
C241,242			CK73GB1H103K	CHIP C	0.010UF	K	
C243			CE04NW1C470M	ELECTRO	47UF	16WV	
C245,246			CK73GB1A474K	CHIP C	0.47UF	K	
CN1			E40-9527-05	FLAT CABLE CONNECTOR			

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X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
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TUNER UNIT (X86-323X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
CN2			E40-9184-05	PIN ASSY	
CN3			E40-3640-05	PIN ASSY	
J1 -4			E11-0625-05	PHONE JACK	
CF1			L72-0766-05	CERAMIC FILTER	KRH
CF1			L72-0771-05	CERAMIC FILTER	MCX
CF2			L72-0758-05	CERAMIC FILTER	EW
CF3			L72-0759-05	CERAMIC FILTER	EW
CF101			L72-0742-05	CERAMIC FILTER	
CF102			L72-0707-05	CERAMIC FILTER	KRH
CF102			L72-0751-05	CERAMIC FILTER	MCX
CF103			L72-0751-05	CERAMIC FILTER	EW
L1			L40-1585-34	SMALL FIXED INDUCTOR(0.15UH)	
L2			L40-5685-34	SMALL FIXED INDUCTOR(0.56UH)	
L3			L40-1585-34	SMALL FIXED INDUCTOR(0.15UH)	
L4			L40-5685-34	SMALL FIXED INDUCTOR(0.56UH)	
L5			L40-1585-34	SMALL FIXED INDUCTOR(0.15UH)	
L6			L40-5685-34	SMALL FIXED INDUCTOR(0.56UH)	
L7			L40-1585-34	SMALL FIXED INDUCTOR(0.15UH)	
L8			L40-5685-34	SMALL FIXED INDUCTOR(0.56UH)	
L9			L40-6805-34	SMALL FIXED INDUCTOR	
L10			L92-0329-05	CHIP FERRITE	
L11			L40-2795-34	SMALL FIXED INDUCTOR(2.7UH)	EW
L12 ,13			L40-1295-34	SMALL FIXED INDUCTOR	EW
L13 ,14			L40-1095-34	SMALL FIXED INDUCTOR(1UH)	KRMC
L13 ,14			L40-1095-34	SMALL FIXED INDUCTOR(1UH)	HX
L14			L40-1095-34	SMALL FIXED INDUCTOR(1UH)	EW
L15 ,16			L40-1005-34	SMALL FIXED INDUCTOR	
L17			L33-1152-05	CHOKE COIL	
L101			L30-0756-05	TV IFT	
L102			L40-1005-34	SMALL FIXED INDUCTOR	KRH
L102			L40-8295-34	SMALL FIXED INDUCTOR(8.2UH)	MCX
L103			L30-0745-05	TV IFT	KRH
L103			L30-0749-05	TV IFT	MCX
L103			L30-0749-05	TV IFT	EW
L104			L40-1001-78	SMALL FIXED INDUCTOR(10UH)	
L105			L40-5695-34	SMALL FIXED INDUCTOR(5.6UH)	EW
L106			L40-1001-78	SMALL FIXED INDUCTOR(10UH)	
L201,202			L40-1005-34	SMALL FIXED INDUCTOR	EW
L202			L40-1005-34	SMALL FIXED INDUCTOR	KRMC
L202			L40-1005-34	SMALL FIXED INDUCTOR	HX
X101			L77-2084-05	CRYSTAL RESONATOR(30.55MHZ)	KRH
X102			L77-2100-05	CRYSTAL RESONATOR(21.80MHZ)	MCX
X102			L77-2720-05	CRYSTAL RESONATOR(22.70MHZ)	EW
X103			L77-2099-05	CRYSTAL RESONATOR(21.30MHZ)	MCX
X103			L77-2721-05	CRYSTAL RESONATOR(22.20MHZ)	EW
X104			L77-2098-05	CRYSTAL RESONATOR(20.80MHZ)	MCX
X104			L77-2722-05	CRYSTAL RESONATOR(21.70MHZ)	EW
X105			L77-2095-05	CRYSTAL RESONATOR(3.58MHZ)	
X106			L77-2096-05	CRYSTAL RESONATOR(4.43MHZ)	
R1			RK73GB1J471J	CHIP R 470 J 1/16W	
R2 -5			RK73GB1J101J	CHIP R 100 J 1/16W	
R6			RK73GB1J472J	CHIP R 4.7K J 1/16W	MCX
R6			RK73GB1J472J	CHIP R 4.7K J 1/16W	EW
R7			RK73GB1J101J	CHIP R 100 J 1/16W	
R8			RK73GB1J473J	CHIP R 47K J 1/16W	
R9			RK73GB1J333J	CHIP R 33K J 1/16W	
R10			RK73GB1J822J	CHIP R 8.2K J 1/16W	
R11			RK73GB1J223J	CHIP R 22K J 1/16W	
R12 -15			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R16			RK73GB1J682J	CHIP R 6.8K J 1/16W	EW
R17 ,18			RK73GB1J103J	CHIP R 10K J 1/16W	EW
R19			RK73GB1J222J	CHIP R 2.2K J 1/16W	EW
R20			RK73GB1J470J	CHIP R 47 J 1/16W	EW
R21			RK73GB1J681J	CHIP R 680 J 1/16W	EW
R22			RK73GB1J222J	CHIP R 2.2K J 1/16W	EW
R23			RK73GB1J123J	CHIP R 12K J 1/16W	EW
R24			RK73GB1J470J	CHIP R 47 J 1/16W	EW
R25			RK73GB1J151J	CHIP R 150 J 1/16W	EW
R26 ,27			RK73GB1J101J	CHIP R 100 J 1/16W	EW
R28			RK73GB1J151J	CHIP R 150 J 1/16W	
R29			RK73GB1J681J	CHIP R 680 J 1/16W	
R30			RK73GB1J123J	CHIP R 12K J 1/16W	
R31			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R32			RK73GB1J470J	CHIP R 47 J 1/16W	
R33			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R34			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R101			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R102			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R103,104			RK73GB1J471J	CHIP R 470 J 1/16W	EW
R105			RK73GB1J333J	CHIP R 33K J 1/16W	
R106			RK73GB1J563J	CHIP R 56K J 1/16W	
R107			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R108,109			RK73GB1J331J	CHIP R 330 J 1/16W	
R110			RK73GB1J273J	CHIP R 27K J 1/16W	EW
R111			RK73GB1J181J	CHIP R 180 J 1/16W	KRMC
R111			RK73GB1J181J	CHIP R 180 J 1/16W	HX
R112			RK73GB1J333J	CHIP R 33K J 1/16W	
R113			RK73GB1J473J	CHIP R 47K J 1/16W	
R114,115			RK73GB1J331J	CHIP R 330 J 1/16W	KRMC
R114,115			RK73GB1J331J	CHIP R 330 J 1/16W	HX
R116			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R117			RK73GB1J103J	CHIP R 10K J 1/16W	EW
R117,118			RK73GB1J103J	CHIP R 10K J 1/16W	MCX
R118			RK73GB1J103J	CHIP R 10K J 1/16W	KRH
R119			RK73GB1J222J	CHIP R 2.2K J 1/16W	MCX
R119			RK73GB1J222J	CHIP R 2.2K J 1/16W	EW
R120			RK73GB1J182J	CHIP R 1.8K J 1/16W	KRMC
R120			RK73GB1J182J	CHIP R 1.8K J 1/16W	HX
R121			RK73GB1J103J	CHIP R 10K J 1/16W	
R122			RK73GB1J223J	CHIP R 22K J 1/16W	KRMC
R122			RK73GB1J223J	CHIP R 22K J 1/16W	HX
R123			RK73GB1J103J	CHIP R 10K J 1/16W	EW
R124			RK73GB1J222J	CHIP R 2.2K J 1/16W	MCX
R124			RK73GB1J222J	CHIP R 2.2K J 1/16W	EW
R125			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R126			RK73GB1J104J	CHIP R 100K J 1/16W	MCX
R126			RK73GB1J104J	CHIP R 100K J 1/16W	EW
R127			RK73GB1J222J	CHIP R 2.2K J 1/16W	MCX
R127			RK73GB1J222J	CHIP R 2.2K J 1/16W	EW

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M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

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TUNER UNIT (X86-323X-XX)

Ref. No.	Add	New	Parts No.	Description	Destination
R128			RK73GB1J104J	CHIP R 100K J 1/16W	MCX
R128			RK73GB1J104J	CHIP R 100K J 1/16W	EW
R129			RK73GB1J332J	CHIP R 3.3K J 1/16W	KRMC
R129			RK73GB1J332J	CHIP R 3.3K J 1/16W	HX
R130			RK73GB1J104J	CHIP R 100K J 1/16W	MCX
R130			RK73GB1J104J	CHIP R 100K J 1/16W	EW
R131,132			RK73GB1J103J	CHIP R 10K J 1/16W	EW
R133			RK73GB1J472J	CHIP R 4.7K J 1/16W	EW
R134			RK73GB1J103J	CHIP R 10K J 1/16W	
R135			RK73GB1J273J	CHIP R 27K J 1/16W	
R136			RK73GB1J103J	CHIP R 10K J 1/16W	
R137			RK73GB1J393J	CHIP R 39K J 1/16W	
R138			RK73GB1J103J	CHIP R 10K J 1/16W	
R139			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R140			RK73GB1J103J	CHIP R 10K J 1/16W	
R141			RK73GB1J223J	CHIP R 22K J 1/16W	
R142			RK73GB1J471J	CHIP R 470 J 1/16W	
R144			RK73GB1J471J	CHIP R 470 J 1/16W	
R145			RK73GB1J470J	CHIP R 47 J 1/16W	
R146,147			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R148			RK73GB1J471J	CHIP R 470 J 1/16W	
R150,151			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R152			RK73GB1J471J	CHIP R 470 J 1/16W	
R153			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R154			RK73GB1J104J	CHIP R 100K J 1/16W	
R155			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R157			RK73GB1J471J	CHIP R 470 J 1/16W	
R158			RK73GB1J153J	CHIP R 15K J 1/16W	
R160			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R161			RK73GB1J273J	CHIP R 27K J 1/16W	
R162			RK73GB1J104J	CHIP R 100K J 1/16W	
R163			RK73GB1J103J	CHIP R 10K J 1/16W	EW
R164			RK73GB1J223J	CHIP R 22K J 1/16W	EW
R165,166			RK73GB1J391J	CHIP R 390 J 1/16W	EW
R167			RK73GB1J393J	CHIP R 39K J 1/16W	
R168			RK73GB1J391J	CHIP R 390 J 1/16W	
R169,170			RK73GB1J101J	CHIP R 100 J 1/16W	
R171			RK73GB1J470J	CHIP R 47 J 1/16W	EW
R172			RK73GB1J471J	CHIP R 470 J 1/16W	EW
R173			RK73GB1J473J	CHIP R 47K J 1/16W	
R174			RK73GB1J513J	CHIP R 51K J 1/16W	
R175			RK73GB1J473J	CHIP R 47K J 1/16W	
R176			RK73GB1J333J	CHIP R 33K J 1/16W	
R201			RK73GB1J822J	CHIP R 8.2K J 1/16W	EW
R202			RK73GB1J392J	CHIP R 3.9K J 1/16W	EW
R203			RK73GB1J473J	CHIP R 47K J 1/16W	EW
R204			RK73GB1J823J	CHIP R 82K J 1/16W	
R205			RK73GB1J124J	CHIP R 120K J 1/16W	
R207			RK73GB1J334J	CHIP R 330K J 1/16W	
R208			RK73GB1J474J	CHIP R 470K J 1/16W	
R211-214			RK73GB1J153J	CHIP R 15K J 1/16W	
R215,216			RK73GB1J683J	CHIP R 68K J 1/16W	
R217,218			RK73GB1J273J	CHIP R 27K J 1/16W	
R219			RK73GB1J823J	CHIP R 82K J 1/16W	
R220			RK73GB1J104J	CHIP R 100K J 1/16W	
R221			RK73GB1J223J	CHIP R 22K J 1/16W	KRH
R221			RK73GB1J683J	CHIP R 68K J 1/16W	MCX
R221			RK73GB1J683J	CHIP R 68K J 1/16W	EW
R222			RK73GB1J124J	CHIP R 120K J 1/16W	KRH
R222			RK73GB1J473J	CHIP R 47K J 1/16W	MCX
R222			RK73GB1J473J	CHIP R 47K J 1/16W	EW
R223			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R227			RK73GB1J472J	CHIP R 4.7K J 1/16W	
VR1			R32-0234-05	SEMI FIXED VARIABLE RESISTOR	
VR101			R32-0234-05	SEMI FIXED VARIABLE RESISTOR	KRMC
VR101			R32-0234-05	SEMI FIXED VARIABLE RESISTOR	HX
VR102			R32-0246-05	SEMI FIXED VARIABLE RESISTOR	KRMC
VR102			R32-0246-05	SEMI FIXED VARIABLE RESISTOR	HX
W1 -4			R92-1252-05	CHIP R 0 OHM	KRMC
W1 -4			R92-1252-05	CHIP R 0 OHM	HX
W6			R92-1252-05	CHIP R 0 OHM	EW
W101-103			R92-1252-05	CHIP R 0 OHM	KRH
W102,103			R92-1252-05	CHIP R 0 OHM	MCX
W104			R92-1252-05	CHIP R 0 OHM	EW
W201,202			R92-1252-05	CHIP R 0 OHM	KRMC
W201,202			R92-1252-05	CHIP R 0 OHM	HX
W202			R92-1252-05	CHIP R 0 OHM	EW
D1 -4			RN739F	DIODE	
D5			DAN235U	DIODE	EW
D6			1SS250	DIODE	
D101			DA204U	DIODE	
D102,103			DAP236U	DIODE	MCX
D102,103			DAP236U	DIODE	EW
D104			DAN235U	DIODE	EW
D105			DA204U	DIODE	
D106			DA204U	DIODE	EW
IC1			BA7652AF	ANALOGUE IC	EW
IC2			CM0018AM	MOS-IC	
IC3			BA6161F	ANALOGUE IC	
IC101			AN5186FB	ANALOGUE IC	
IC102			TDA8842H	ANALOGUE IC	
IC201			TDA9830T	ANALOGUE IC	EW
IC202		*	AN5281SC	ANALOGUE IC	
IC203,204			NJM4565M-TE2	ANALOGUE IC	
Q1			DTA114EUA	DIGITAL TRANSISTOR	EW
Q2			DTC124EUA	DIGITAL TRANSISTOR	EW
Q3			DTC143TUA	DIGITAL TRANSISTOR	EW
Q4 ,5			2SC2714(Y)	TRANSISTOR	EW
Q5			2SC2714(Y)	TRANSISTOR	KRMC
Q5			2SC2714(Y)	TRANSISTOR	HX
Q101,102			2SC4081	TRANSISTOR	EW
Q102,103			2SC4081	TRANSISTOR	KRMC
Q102,103			2SC4081	TRANSISTOR	HX
Q104-106			DTC124EUA	DIGITAL TRANSISTOR	MCX
Q104-107			DTC124EUA	DIGITAL TRANSISTOR	EW
Q108-114			2SC4081	TRANSISTOR	KRMC
Q108-114			2SC4081	TRANSISTOR	HX
Q108-115			2SC4081	TRANSISTOR	EW
Q116			2SA1576A	TRANSISTOR	EW

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R: KVT-910DVD (for South America)
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Ref. No.	Add	New	Parts No.	Description	Destination
Q117-119			DTC144EUA	DIGITAL TRANSISTOR	
Q201,202			DTC144EUA	DIGITAL TRANSISTOR	
A1			W02-3127-15	TUNER ASSY	KRH
A1			W02-3157-05	TUNER ASSY	MCX
A1			W02-3191-05	TUNER ASSY	EW
COMPOUND ASSY UNIT (X90-361x-xx)					
286	1F		A01-2741-01	METALLIC CABINET	
288	3F	*	E30-4972-05	GROUND WIRE	
FC3	2F	*	E39-0378-05	FLAT CABLE	
289	2F		F07-1079-05	COVER	
-			H25-0338-04	PROTECTION BAG (250X350X0.03)	KRMC
-			H25-0338-04	PROTECTION BAG (250X350X0.03)	HX
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	EW
R	3F		N80-3008-46	PAN HEAD TAPTITE SCREW	
S	1F		N89-3006-46	BINDING HEAD TAPTITE SCREW	
T	3F		N09-1515-05	TAPPING SCREW (3X8)	
DVD MECHANISM ASSY (X92-3550-03)					
1	2A	*	A10-4684-22	CHASSIS ASS'Y	
2	3A	*	A10-4692-02	CHASSIS	
3	1B	*	A10-4690-01	CHASSIS	
4	1A	*	A10-4709-13	CHASSIS CALKING ASS'Y	
7	3A	*	D10-4467-11	LEVER	
8	3B	*	D10-4468-13	SLIDER ASS'Y	
9	2A	*	D10-4471-14	SLIDER ASS'Y	
10	3B	*	D10-4474-14	ARM ASS'Y	
11	1A	*	D10-4487-13	ARM ASS'Y	
14	2A	*	D13-2062-04	GEAR	
15	2A	*	D13-2063-04	GEAR	
16	2A	*	D13-2064-04	GEAR	
17	1B	*	D13-2065-04	GEAR ASS'Y	
18	1A	*	D13-2067-04	RACK (GEAR)	
19	3A	*	D13-2068-04	GEAR	
20	3B	*	D13-2069-13	RACK (GEAR)	
22	2B	*	D13-2072-04	GEAR	
23	2B	*	D13-2073-04	GEAR	
24	2B	*	D13-2074-04	GEAR	
25	2B	*	D13-1377-14	GEAR	
26	2B	*	D13-2075-04	GEAR	
27	2B	*	D13-2076-04	GEAR	
28	3B	*	D13-2077-04	GEAR	
29	3B	*	D13-2070-04	GEAR	
30	3B	*	D13-2071-04	GEAR	
31	3A	*	D14-0735-04	ROLLER	
32	3B	*	D14-0736-04	ROLLER	
33	2A	*	D14-0694-04	ROLLER	
34	2A	*	D21-2279-14	SHAFT	
35	2B	*	D21-2330-04	SHAFT	
36	2A	*	D21-2331-04	SHAFT	
37	3A	*	D21-2332-04	SHAFT ASS'Y	
38	1B	*	D32-0634-04	STOPPER	
39	1B	*	D39-0240-05	DAMPER	

Ref. No.	Add	New	Parts No.	Description	Destination
66	3A	*	D23-0942-24	RETAINER	
VFC1	2B	*	E39-0335-05	FLAT CABLE	
42	3B	*	G01-2998-04	EXTENSION SPRING	
43	3B	*	G01-2999-04	EXTENSION SPRING	
44	3A	*	G01-3000-04	EXTENSION SPRING	
45	1B	*	G01-3001-04	COMPRESSION SPRING	
46	3A	*	G01-3002-04	EXTENSION SPRING	
47	2A	*	G01-3020-04	EXTENSION SPRING	
50	2B	*	G02-1346-04	FLAT SPRING	
51	3A	*	G02-1356-04	FLAT SPRING	
52	2A	*	G02-1400-04	FLAT SPRING	
53	2A	*	G16-1160-04	SHEET	
54	2B	*	G16-1180-04	SHEET	
56	3A	*	G16-1199-04	SHEET	
57	1A	*	J11-0636-22	CLAMPER	
58	2B	*	J12-1070-04	PIN	
61	2B	*	J19-4986-04	HOLDER	
62	3A	*	J19-4989-03	HOLDER	
63	2A	*	J19-4991-13	HOLDER ASS'Y	
64	1A	*	J19-5000-04	HOLDER ASS'Y	
65	2A	*	J19-5026-04	HOLDER	
69	2A	*	J21-9510-24	MOUNTING HARDWARE ASS'Y	
70	1B	*	J21-9512-33	MOUNTING HARDWARE	
71	2B	*	J21-9518-03	MOUNTING HARDWARE	
72	2A	*	J21-9544-04	MOUNTING HARDWARE ASS'Y	
73	2A	*	J21-9546-04	MOUNTING HARDWARE ASS'Y	
74	2A	*	J31-1037-04	COLLAR	
77	3A	*	J90-0963-03	GUIDE	
78	3A	*	J90-0964-03	GUIDE	
79	2A	*	J90-0968-02	GUIDE	
VFPC1	2B	*	J26-4038-05	PRINTED WIRING BOARD ASSY	
VFPC2	2A	*	J26-4040-05	PRINTED WIRING BOARD ASSY	
VFPC3	2B	*	J84-0109-05	FLEXIBLE PRINTED WIRING BOARD	
A	1A		N09-4244-05	MACHINE SCREW (M1.7X1.8)	
B	2B	*	N09-4361-05	MACHINE SCREW (M1.7X2.0)	
C	2A		N09-4293-05	MACHINE SCREW (M1.4X1.8)	
D	1B	*	N09-4474-05	MACHINE SCREW (M1.7X2.5)	
E	2A	*	N09-4359-05	MACHINE SCREW (M2X6 FINE)	
F	2B	*	N09-4364-05	MACHINE SCREW (M1.7X6.6)	
G	2B	*	N09-4367-05	STEPPED SCREW (M1.7X1.5)	
H	2B	*	N09-4393-05	MACHINE SCREW (M1.7X2.5)	
J	2B	*	N09-4360-05	MACHINE SCREW (M1.4X1.4)	
K	1B	*	N09-4432-05	MACHINE SCREW (M1.7X3.5)	
L	2A		N19-2022-04	FLAT WASHER (1.6X3.2X0.25)	
M	2A		N19-2108-04	FLAT WASHER (3X5.4X0.35)	
N	3A		N19-2110-04	FLAT WASHER (0.8X2X0.188 CW)	
P	3B		N19-2113-04	FLAT WASHER (1.2X3X0.25 CW)	
Q	2A	*	N19-2144-04	FLAT WASHER (4.7X13X0.25)	
VM1	2B	*	T42-1014-05	MOTOR ASS'Y (SP)	
VM2	2A	*	T42-1050-04	MOTOR ASS'Y(SL)	
VM3	2B	*	T42-1051-04	MOTOR ASS'Y(ROAD)	
VPU1	1B	*	T25-0217-05	OPTICAL PICKUP HEAD	

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PANEL MECHANISM ASSY (D40-114x-05)					
101	1C	*	A10-4835-08	CHASSIS CALKING ASSY	KRMC
101	1C	*	A10-4835-08	CHASSIS CALKING ASSY	HX
101	1C	*	A10-4836-08	CHASSIS CALKING ASSY	EW
102	1C	*	D10-4592-08	SLIDER ASSY	
103	2C	*	J21-9697-08	MOUNTING HARDWARE	
104	2C	*	D19-0639-08	CLUTCH ASSY	
105	1C	*	W03-7018-08	SENSOR ASSY	
106	2C	*	T42-1043-08	MOTOR ASSY	
107	1C	*	D13-2160-08	GEAR ASSY	
108	2C	*	J21-9698-08	MOUNTING HARDWARE	
109	1C	*	J19-5030-08	BRACKET	
110	2C	*	G02-1390-08	FLAT SPRING	
111	2C	*	D13-2128-08	GEAR	
112	2C	*	D13-2129-08	GEAR	
113	1C	*	D13-2130-08	GEAR	
114	1C	*	D13-2131-08	GEAR	
115	1C	*	J90-0997-08	GUIDE	
116	1C	*	J90-0998-08	GUIDE	
117	1C	*	D32-0635-08	STOPPER	
118	1C	*	D13-2127-08	RACK	
119	1C	*	D23-0949-08	RETAINER	
120	1C	*	G11-1933-08	CUSHION	
121	2C	*	G09-2037-08	COMPRESSION SPRING	
122	2C	*	D90-0302-08	STEEL BALL	
123	1C	*	E39-0398-08	LEAD WIRE	
124	1C	*	E39-0399-08	LEAD WIRE	
125	2C	*	N09-4397-08	SCREW	
126	1C	*	N09-4398-08	SCREW	
127	2C		N19-2143-08	WASHER	
128	2C	*	G16-1181-08	SHEET	
129	2C		N38-2025-45	SCREW (M2X2.5)	
130	1C		N09-4375-08	SCREW (M2X4)	
131	1C		N09-4358-08	SCREW (M2X2)	
132	1C	*	G16-1191-08	SHEET	

Ref. No.	Add	New	Parts No.	Description	Destination

K: KVT-910DVD (for North America)
E: KVT-920DVD (for Europe Without Italy)
H: KVT-930DVD (for Korea,Taiwan,Philippines)
X: KVT-940DVD (for Australia)
R: KVT-910DVD (for South America)
W: KVT-920DVD (for Italy)
M: KVT-930DVD (for Southeastern Asia)
C: KVT-960DVD (for China)

⚠ indicates safety critical components.

SPECIFICATIONS (K, R, H type)

				KVT-910DVD K,R type	KVT-930DVD H type
Main unit	MONITOR Section	Picture size W × H		6.5 inches wide 142.6mm × 80.7mm	6.5 inches wide 142.6mm × 80.7mm
		Display system		Transparent TN LCD panel	Transparent TN LCD panel
		Drive system		TFT active matrix system	TFT active matrix system
		Number of pixels		336,960 480H × 234V × RGB	336,960 480H × 234V × RGB
		Effective pixels		99.99%	99.99%
		Pixel arrangement		RGB striped arrangement	RGB striped arrangement
		Back lighting		Cold cathode tube	Cold cathode tube
	DVD Section	D/A Converter		1Bit	1Bit
		Wow & Flutter		Below Measurable Limit	Below Measurable Limit
		Frequency response 96K		20~44000 Hz	20~44000 Hz
		48K Sampling		20~22000 Hz	20~22000 Hz
		44.1K Sampling		20~20000 Hz	20~20000 Hz
		Total harmonic distortion 1K		0.003%	0.003%
		Signal to Noise ratio		115dB(DVD 96K)	115dB(DVD 96K)
		Dynamic range		95dB(DVD 96K)	95dB(DVD 96K)
		DISC FORMAT		DVD-VIDEO/VIDEO-CD/CD-DA	DVD-VIDEO/VIDEO-CD/CD-DA
		Sampling frequency		8fs 44.1KHz / 48KHz 4fs 96KHz	8fs 44.1KHz / 48KHz 4fs 96KHz
		quantifying bit number		16/20/24bit	16/20/24bit
		Optical output format		DolbyDigital/DTS/LinearPCM	DolbyDigital/DTS/LinearPCM
Hideaway unit	FM	Frequency Range (Frequency Step)		87.9~107.9MHz (200kHz)	87.5MHz~108.0MHz (50kHz)
		Usable Sensitivity S/N:30dB		9.3dBf (0.8μv/75Ω)	9.3dBf (0.7μv/75Ω)
		Quieting Sensitivity S/N:50dB		15.2dBf (1.6μv/75Ω)	15.2dBf (1.6μv/75Ω)
		Frequency Response (±3.0dB)		30Hz~15kHz	30Hz~15kHz
		S/N(dB)		75dB(MONO)	70dB(MONO)
		Selectivity		Over80dB(±400KHz)	≧80dB(±400KHz)
		Stereo Separation		40dB(1kHz)	35dB(1kHz)
	AM	Frequency Range (Frequency Step)		530kHz~1700kHz (10kHz)	531kHz~1611kHz (9kHz)
		Usable Sensitivity		28dBμ	28dBμ
	TV	Color system		NTSC	NTSC
		Television system		M	M
		Receivable channels		(VHF) 2-13ch (UHF) 14-69ch	(VHF) 2-13ch (UHF) 14-69ch
		Channel selection system		PLL frequency synthesizer system	PLL frequency synthesizer system
				Split carrier system	Split carrier system
		Antenna input		4ch diversity (75 Ohms/3.5[phi] miniplug	4ch diversity (75 Ohms/3.5[phi] minijack
		External video input level (RCA jacks)		1Vp-p/75Ω	1Vp-p/75Ω
		External audio max input level(RCA jacks)		1V22kΩ	1V22kΩ
		Analog RGB input		0.7Vp-p/75Ω	0.7Vp-p/75Ω
	Audio	Maximum Power		45w × 4	45w × 4
		Full Bandwidth Power		22w × 4 (at Less than 1%THD)	22w × 4 (at Less than 1%THD)
		Preout Level(V)		4.5V/10KΩ	4.5V/10KΩ
		Preout Impedance(Ω)		≦600Ω	≦600Ω
		Tone	Bass	100Hz ±10dB	100Hz ±10dB
		Tone	Treble	10kHz ±10dB	10kHz ±10dB
General		Operating Voltage		14.4v(11v~16v)	14.4v(11v~16v)
		Current Consumption		10A	10A
		Dimensions W × H × D	Main unit	180mm × 50mm × 185mm 7-1/16 × 1-15/16 × 7-5/16inch	180mm × 50mm × 185mm
			Installation size	178mm × 50mm × 165mm 7 × 1-15/16 × 6-1/2inch	178mm × 50mm × 165mm
			Hideaway unit	225mm × 40mm × 168mm 8-7/8 × 1-9/16 × 6-5/8inch	225mm × 40mm × 168mm
		Operational temperature range		-10~60°C	-10~60°C
		Storage temperature range		-20°C~85°C	-20°C~85°C
		Weight	Main unit	2.0kg(4.4 lbs)	2.0kg
			Hideaway unit	1.4kg(3.0 lbs)	1.4kg
TV Antenna Unit		Output impedance		75 Ohms/3.5[phi] miniplug	75 Ohms/3.5[phi] miniplug
		Operating Voltage		12v	12v
		Consumed current		1.0A	1.0A
		Cable length		5m	6m
		Size	(mm)	50(W) × 14.5(H) × 500(D)mm	75(W) × 18(H) × 400(D)mm
			(inch)	1-15/16(W) × 9/16(H) × 19-11/16(D)inch	2-15/16 × 11/16 × 15-3/4 inch
		Weight		300g(× 2) (0.7 lbs(× 2))	330g(× 2)

SPECIFICATIONS (M, C type)

			KVT-930DVD M type	KVT-960DVD C type
Main unit	MONITOR Section	Picture size W × H	6.5 inches wide 142.6mm × 80.7mm	6.5 inches wide 142.6mm × 80.7mm
		Display system	Transparent TN LCD panel	Transparent TN LCD panel
		Drive system	TFT active matrix system	TFT active matrix system
		Number of pixels	336,960 480H × 234V × RGB	336,960 480H × 234V × RGB
		Effective pixels	99.99%	99.99%
		Pixel arrangement	RGB striped arrangement	RGB striped arrangement
		Back lighting	Cold cathode tube	Cold cathode tube
	DVD Section	D/A Converter	1Bit	1Bit
		Wow & Flutter	Below Measurable Limit	Below Measurable Limit
		Frequency response 96K	20~44000 Hz	20~44000 Hz
		48K Sampling	20~22000 Hz	20~22000 Hz
		44.1K Sampling	20~20000 Hz	20~20000 Hz
		Total harmonic distortion 1K	0.003%	0.003%
		Signal to Noise ratio	115dB(DVD 96K)	115dB(DVD 96K)
		Dynamic range	95dB(DVD 96K)	95dB(DVD 96K)
		DISC FORMAT	DVD-VIDEO/VIDEO-CD/CD-DA	DVD-VIDEO/VIDEO-CD/CD-DA
		Sampling frequency	8fs 44.1KHz / 48KHz 4fs 96KHz	8fs 44.1KHz / 48KHz 4fs 96KHz
		quantifying bit number	16/20/24bit	16/20/24bit
		Optical output format	DolbyDigital/DTS/LinearPCM	DolbyDigital/DTS/LinearPCM
Hideaway unit	FM	Frequency Range (Frequency Step)	87.5MHz~108.0MHz (50kHz)	87.5MHz~108.0MHz (50kHz)
		Usable Sensitivity S/N:30dB	9.3dBf (0.7µv/75Ω)	9.3dBf (0.7µv/75Ω)
		Quieting Sensitivity S/N:50dB	15.2dBf (1.6µv/75Ω)	15.2dBf (1.6µv/75Ω)
		Frequency Response (±3.0dB)	30Hz~15kHz	30Hz~15kHz
		S/N(dB)	70dB(MONO)	70dB(MONO)
		Selectivity	≧80dB(±400KHz)	≧80dB(±400KHz)
		Stereo Separation	35dB(1kHz)	35dB(1kHz)
	AM	Frequency Range (Frequency Step)	LW:153~281kHz MW:531~1611kHz (9kHz)	531kHz~1611kHz (9kHz)
		Usable Sensitivity	28dBµ	28dBµ
	TV	Color system (TV) (VIDEO)	PAL NTSC/PAL	PAL NTSC/PAL
		Television system	PAL-B/G / PAL-I / PAL-D	PAL-B/G / PAL-I / PAL-D
		Receivable channels VHF	2-12ch / 1A-11ch / 0-12ch / / 1-12ch	2-12ch / 1A-11ch / 0-12ch / / 1-12ch
		Receivable channels UHF	21-69ch / 21-69ch / 28-69ch / 21-69ch / 13-57ch	21-69ch / 21-69ch / 28-69ch / 21-69ch / 13-57ch
		Channel selection system	PLL frequency synthesizer system	PLL frequency synthesizer system
			Split carrier system	Split carrier system
		Antenna input	4ch diversity (75 Ohms/3.5[phi] minijack	4ch diversity (75 Ohms/3.5[phi] minijack
		External video input level (RCA jacks)	1Vp-p/75Ω	1Vp-p/75Ω
		External audio max input level(RCA jacks)	1V22kΩ	1V22kΩ
		Analog RGB input	0.7Vp-p/75Ω	0.7Vp-p/75Ω
	Audio	Maximum Power	45w × 4	45wx4
		Full Bandwidth Power	22w × 4 (at Less than 1%THD)	22wx4 (at Less than 1%THD)
		Preout Level(V)	4.5V/10KΩ	4.5V/10KΩ
		Preout Impedance(Ω)	≦600Ω	≦600Ω
		Tone Bass	100Hz ±10dB	100Hz ±10dB
		Tone Treble	10kHz ±10dB	10kHz ±10dB
General		Operating Voltage	14.4v(11v~16v)	14.4v(11v~16v)
		Current Consumption	10A	10A
		Dimensions W × H × D — Main unit	180mm × 50mm × 185mm	180mm × 50mm × 185mm
		Dimensions W × H × D — Installation size	178mm × 50mm × 165mm	178mm × 50mm × 165mm
		Dimensions W × H × D — Hideaway unit	225mm × 40mm × 168mm	225mm × 40mm × 168mm
		Operational temperature range	-10~60°C	-10~60°C
		Storage temperature range	-20°C~85°C	-20°C~85°C
		Weight — Main unit	2.0kg	2.0kg
		Weight — Hideaway unit	1.4kg	1.4kg
TV Antenna Unit		Output impedance	75 Ohms/3.5[phi] miniplug	75 Ohms/3.5[phi] miniplug
		Operating Voltage	12v	12v
		Consumed current	1.0A	1.0A
		Cable length	6m	6m
		Size (mm)	75(W) × 18(H) × 400(D)mm	75(W) × 18(H) × 400(D)mm
		(inch)	2-15/16 × 11/16 × 15-3/4 inch	2-15/16 × 11/16 × 15-3/4 inch
		Weight	330g(× 2)	330g(× 2)

SPECIFICATIONS (X, E, W type)

				KVT-940DVD X type	KVT-920DVD E,W type
Main unit	MONITOR Section	Picture size W × H		6.5 inches wide 142.6mm × 80.7mm	6.5 inches wide 142.6mm × 80.7mm
		Display system		Transparent TN LCD panel	Transparent TN LCD panel
		Drive system		TFT active matrix system	TFT active matrix system
		Number of pixels		336,960 480H × 234V × RGB	336,960 480H × 234V × RGB
		Effective pixels		99.99%	99.99%
		Pixel arrangement		RGB striped arrangement	RGB striped arrangement
		Back lighting		Cold cathode tube	Cold cathode tube
	DVD Section	D/A Converter		1Bit	1Bit
		Wow & Flutter		Below Measurable Limit	Below Measurable Limit
		Frequency response 96K		20~44000 Hz	20~44000 Hz
		48K Sampling		20~22000 Hz	20~22000 Hz
		44.1K Sampling		20~20000 Hz	20~20000 Hz
		Total harmonic distortion 1K		0.003%	0.003%
		Signal to Noise ratio		115dB(DVD 96K)	115dB(DVD 96K)
		Dynamic range		95dB(DVD 96K)	95dB(DVD 96K)
		DISC FORMAT		DVD-VIDEO/VIDEO-CD/CD-DA	DVD-VIDEO/VIDEO-CD/CD-DA
		Sampling frequency		8fs 44.1KHz / 48KHz 4fs 96KHz	8fs 44.1KHz / 48KHz 4fs 96KHz
		quantifying bit number		16/20/24bit	16/20/24bit
		Optical output format		DolbyDigital/DTS/LinearPCM	DolbyDigital/DTS/LinearPCM
Hideaway unit	FM	Frequency Range (Frequency Step)		87.5MHz~108.0MHz (50kHz)	87.5MHz~108.0MHz (50kHz)
		Usable Sensitivity S/N:30dB		9.3dBf (0.7μv/75Ω)	9.3dBf (0.7μv/75Ω)
		Quieting Sensitivity S/N:50dB		15.2dBf (1.6μv/75Ω)	15.2dBf (1.6μv/75Ω)
		Frequency Response (±3.0dB)		30Hz~15kHz	30Hz~15kHz
		S/N(dB)		70dB(MONO)	70dB(MONO)
		Selectivity		≧80dB(±400KHz)	≧80dB(±400KHz)
		Stereo Separation		35dB(1kHz)	35dB(1kHz)
	AM	Frequency Range (Frequency Step)		531kHz~1611kHz (9kHz)	LW:153~281kHz MW:531~1611kHz (9kHz)
		Usable Sensitivity		28dBμ	28dBμ
	TV	Color system	(TV) (VIDEO)	PAL NTSC/PAL	PAL/SECAM NTSC/PAL
		Television system		PAL-B/G / PAL-I / PAL-D	PAL-B/G / PAL-I / SECAM-L / SECAM-D/K / SECAM-B/G
		Receivable channels	VHF	2-12ch / 1A-11ch / 0-12ch / 1-12ch	2-12ch A-H2ch / A-Jch / 2-10ch / 1-12ch / 2-12ch
			UHF	21-69ch / 21-69ch / 28-69ch / 21-69ch / 13-57ch	21-69ch
		Channel selection system		PLL frequency synthesizer system	PLL frequency synthesizer system
				Split carrier system	Split carrier system
		Antenna input		4ch diversity (75 Ohms/3.5[phi] minijack	4ch diversity (75 Ohms/3.5[phi] minijack
		External video input level(RCAjacks)		1Vp-p/75Ω	1Vp-p/75Ω
		External audio max inputlevel(RCAjacks)		1V22kΩ	1V22kΩ
		Analog RGB input		0.7Vp-p/75Ω	0.7Vp-p/75Ω
	Audio	Maximum Power		45w × 4	45w × 4
		Full Bandwidth Power		22w × 4 (at Less than 1%THD)	28w × 4 PWR DIN45324,+B=14.4v
		Preout Level(V)		4.5V/10KΩ	4.5V/10KΩ
		Preout Impedance(Ω)		≦600Ω	≦600Ω
		Tone	Bass	100Hz ±10dB	100Hz ±10dB
		Tone	Treble	10kHz ±10dB	10kHz ±10dB
General		Operating Voltage		14.4v(11v~16v)	14.4v(11v~16v)
		Current Consumption		10A	10A
		Dimensions W × H × D	Main unit	180mm × 50mm × 185mm	180mm × 50mm × 185mm
			Installationsize	178mm × 50mm × 165mm	178mm × 50mm × 165mm
			Hideaway unit	225mm × 40mm × 168mm	225mm × 40mm × 168mm
		Operational temperature range		-10~60°C	-10~60°C
		Storage temperature range		-20°C~85°C	-20°C~85°C
		Weight	Main unit	2.0kg	2.0kg
			Hideaway unit	1.4kg	1.4kg
TV Antenna Unit		Output impedance		75 Ohms/3.5[phi] miniplug	75 Ohms/3.5[phi] minijack
		Operating Voltage		12v	14.4v(11v~16v)
		Consumed current		1.0A	1.0A
		Cable length		6m	5m
		Size	(mm)	75(W) × 18(H) × 400(D)mm	50(W) × 14.5(H) × 500(D)mm
			(inch)	2-15/16 × 11/16 × 15-3/4 inch	1-15/16(W) × 9/16(H) × 19-11/16(D)inch
		Weight		330g(× 2)	300g(× 2)

KVT910DVD/920DVD/930DVD/ 940DVD/960DVD

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